


1936

## Bulletin of the University of Nebraska: Summer Session, 1936

University of Nebraska College of Medicine

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### Recommended Citation

University of Nebraska College of Medicine, "Bulletin of the University of Nebraska: Summer Session, 1936" (1936). *Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine*. 35.  
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SERIES XLI

NUMBER 6

# Bulletin of The University of Nebraska

## Summer Session 1936



LONG SESSION  
JUNE 9-AUGUST 7

SHORT SESSION  
JUNE 9-JULY 17

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Published by the University

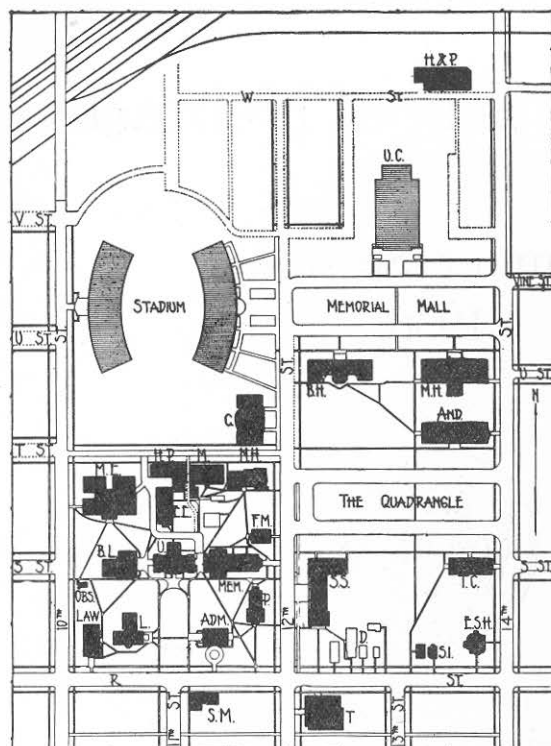
March 4, 1936

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The Bulletin of the University of Nebraska is published weekly in March, April, and May, semi-monthly in February, June, August, and October, and monthly in January, July, and September of each year by the University of Nebraska. Entered at the post-office at Lincoln, Nebr., as second-class matter under Act of Congress, August 24, 1912.

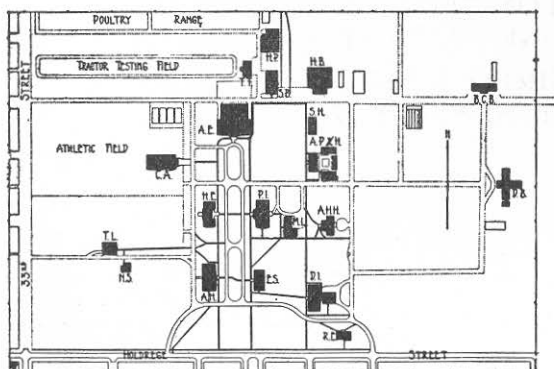
# CAMPUS PLATS

## CITY CAMPUS



- |          |                      |
|----------|----------------------|
| Adm.     | Administration       |
| And.     | Andrews Hall         |
| B. H.    | Bessey Hall          |
| B. L.    | Brace Laboratory     |
| C.       | Chemistry Hall       |
| E. E.    | Electrical Eng. Lab. |
| E. S. H. | Ellen Smith Hall     |
| F. M.    | Former Museum        |
| H. & P.  | Heat and Power Plant |
| L.       | Library              |
| Law      | Law Building         |
| M.       | Mechanic Arts Hall   |
| M. E.    | Mechanical Eng. Hall |
| Mem.     | Memorial Hall        |
| M. H.    | Morrill Hall         |
| N. H.    | Nebraska Hall        |
| Obs.     | Observatory          |
| P.       | Pharmacy             |
| S. M.    | School of Music      |
| S. I.    | Student Infirmary    |
| S. S.    | Social Sciences      |
| T.       | Temple               |
| T. C.    | Teachers College     |
| U.       | University Hall      |
| U. C.    | University Coliseum  |

## COLLEGE OF AGRICULTURE CAMPUS



- |            |                         |
|------------|-------------------------|
| A. E.      | Agricultural Eng. Hall  |
| A. H.      | Agricultural Hall       |
| A. H. H.   | Animal Husbandry Hall   |
| A. P. & H. | Animal Path. & Hygiene  |
| B. C. B.   | Beef Cattle Barn        |
| C. A.      | College Activities Hall |
| D. B.      | Dairy Barn              |
| D. I.      | Dairy Industry Bldg.    |
| E. S.      | Experiment Station Hall |
| H. P.      | Heating Plant           |
| H. E.      | Home Economics Hall     |
| H. B.      | Horse Barn              |
| M. L.      | Meat Laboratory         |
| N. S.      | Nursery School          |
| P. I.      | Plant Industry Hall     |
| R. E.      | Rural Economics Hall    |
| S. H.      | Seed House              |
| S. B.      | Service Building        |
| T. L.      | Tractor Laboratory      |
| T. T.      | Tractor Testing Lab.    |

# CALENDAR 1936

June 8	Monday	Sixty-fifth Annual Commencement
SUMMER SESSION		
June 9 (1 to 5 p.m.)	Tuesday	Registration at the University Coliseum
June 10 (8-12, 2-5)	Wednesday	Registration at the University Coliseum
June 11	Thursday	Beginning of all classes
June 23, 24, 25	Tuesday- Thursday	Educational Conference
July 17	Friday	Close of short session
August 7	Friday	Close of long session



## SUMMER SESSION

### THE BOARD OF REGENTS

Members	Term Expires
EARL CLINE, Lincoln, President.....	January, 1937
ARTHUR C. STOKES, Omaha .....	January, 1937
STANLEY D. LONG, Grand Island.....	January, 1939
FRANK J. TAYLOR, St. Paul.....	January, 1939
MARION A. SHAW, David City.....	January, 1941
CHARLES Y. THOMPSON, West Point.....	January, 1941
Loring Ellis Gunderson, Lincoln, Corporation Secretary.	

### OFFICERS OF ADMINISTRATION OF THE SUMMER SESSION

EDGAR ALBERT BURNETT, D.Sc., LL.D., Chancellor of the University.  
 RICHARD DANIEL MORITZ, B.Sc., Director of the Summer Session.  
 FLORENCE IRWIN MCGAHEY, A.B., Registrar and University Publisher.  
 (*Secretary of the Faculties.*)  
 AMANDA HENRIETTA HEPPNER, A.M., Dean of Women. Ellen Smith Hall.  
 THEOS JEFFERSON THOMPSON, Ph.D., Dean of Student Affairs. Administration Hall 104.

### INSTRUCTORS OF THE SUMMER SESSION

ALEXIS, JOSEPH EMANUEL ALEXANDER, Ph.D., Doctor d' universite, Professor of Germanic Languages (*Chairman of Department*).  
 ARNDT, KARL MATTHEWS, Litt.B., Associate Professor of Economics.  
 ASSENMACHER, FRANCES, A.B., Teacher in City Schools, Lincoln.  
 AYLSWORTH, LEON EMMONS, A.M., Professor of Political Science.  
 BAKER, NINA, A.M., Teacher in City Schools, Lincoln.  
 BALLER, WARREN R., Ph.D., Instructor in History and Principles of Education.  
 BEERS, GERTRUDE, A.M., Assistant Professor of Commercial Arts.  
 BELL, EARL H., Ph.D., Assistant Professor of Anthropology.  
 BIBLE, DANA XENOPHON, A.B., Director of Athletics, with rank of Professor, and Head Football Coach.  
 BIMSON, OLIVER H., A.M., Assistant Superintendent of City Schools, Lincoln.  
 BLOOD, FORREST CLIFFORD, A.M., Professor of Advertising and Sales Management.  
 BOUWSMA, OETS KOLK, Ph.D., Assistant Professor of Philosophy.  
 BOWERS, CHARLES A., A.M., Secretary, Nebraska State Teachers Association.  
 BRADFORD, HARRY ELWYN, Ph.D., Professor of Vocational Education (*Chairman of Department*).  
 BROADY, KNUTE OSCAR, Ph.D., Professor of School Administration.  
 BROWN, DENTON JACOBS, Ph.D., Professor of Chemistry.  
 BROWNE, WILLIAM HAROLD, B.Sc. in Educ., B.P.E., Head Basketball Coach, with rank of Associate Professor of Physical Education.  
 BUKEY, FRED SCOTT, M.Sc., Assistant Professor of Pharmacy.  
 BULLOCK, THEODORE TUNISON, A.M., Associate Professor of Economics and Business Law.  
 BURKHARDT, ALLEN P., A.M., Superintendent of Schools, Norfolk.  
 BURT, JOSEPH BELL, Ph.D., Professor of Pharmacy (*Chairman of Department*).  
 CAMP, CHESTER CLAREMONT, Ph.D., Professor of Mathematics.  
 CARLSON, FRED A., Ph.D., Professor of Geography, Ohio State University.  
 CARTER, THOMAS MILTON, Ph.D., Head of Department of Education, Albion College, Albion, Michigan.  
 CLARK, LETTA MAY, A.M., Assistant Professor of Methods of Instruction in English.  
 CLARK, W. ERNEST, A.M., Teacher in City Schools, Columbus.

- COCHRAN, ROY E., A.M., Associate Professor of American History, in charge of Extension Courses.
- CONGDON, ALLAN RAY, Ph.D., Professor of Secondary Education.
- CORBIN, FLORENCE MAY, M.S., Associate Professor of Vocational Education.
- COREY, STEPHEN MAXWELL, Ph.D., Professor of Educational Psychology and Measurements.
- CRAGO, ALFRED, Ph.D., Professor of Educational Psychology and Tests and Measurements, University of Florida.
- DAHLGREN, EDESSE, B.Sc. in Educ., Instructor in Physical Education for Women.
- DARLINGTON, GEORGE MARK, A.M., Assistant Professor of Accounting.
- DAVIS, HERBERT PERRY, M.S., Professor of Dairy Husbandry (*Chairman of Department*).
- DECKER, HERMANN THEODOR, A.M., Associate Professor of Theory and History of Music.
- EASTBURN, NELLIE M., A.M., Assistant Professor of Physical Education for Women.
- EASTON, ARTHUR CHARLES, A.M., Supervisor of Practical Arts (*Acting Chairman of Department*).
- EVANS, CLARA CAROLYN, A.M., Assistant Professor of Kindergarten-Primary Education.
- FELLMAN, DAVID, Ph.D., Instructor in Political Science.
- FLING, WENTWORTH DRESSER, A.B., Assistant Instructor in Romance Languages.
- FORBES, CLARENCE ALLEN, Ph.D., Associate Professor of The Classics (*Acting Chairman of Department*).
- FORWARD, KENNETH, A.M., Instructor in English.
- FRANTZ, RAY WILLIAM, Ph.D., Associate Professor of English.
- FRENCH, REGINALD F., Ph.D., Instructor in Romance Languages.
- FUCHS, GUSTAVE OTTO, Ph.D., Assistant Professor and Supervisor of Ancient and Modern Languages.
- FULLBROOK, EARL STANFIELD, Ph.D., Professor of Marketing.
- GABA, MEYER GRUPP, Ph.D., Professor of Mathematics.
- GAMBLE, ELIZA EMMA, A.M., Supervisor of Social Sciences, Teachers College High School, with rank of Instructor.
- GELLATLY, PAULINE NELL, B.F.A., Instructor in Dramatic Art.
- GIBBONS, REBEKAH MONAGHAN, Ph.D., Associate Professor of Home Economics.
- GOERING, GERTRUDE CATHERINE, M.A., Assistant Professor of Commercial Arts.
- GRAMLICH, HOWARD JOHN, B.Sc. in Agr., Professor of Animal Husbandry (*Chairman of Department*).
- GRIESS, FERDINAND, D.D.S., Professor of Operative Dentistry.
- HALBERSLEBEN, HELEN, M.A. in Educ., Assistant Instructor in Commercial Arts.
- HAMILTON, CLIFF STRUTHERS, Ph.D., Professor of Chemistry.
- HARKNESS, DANIEL HOOVER, C.E., Instructor in Civil Engineering.
- HARPER, FLOYD S., M.S., Instructor in Mathematics.
- HENDRICKS, BERNARD CLIFFORD, Ph.D., Associate Professor of Chemistry.
- HENZLIK, FRANK ERNEST, LL.B., Ph.D., Dean of the Teachers College and Professor of School Administration (*Chairman of Departments of History and Principles of Education and School Administration*).
- HERTZLER, JOYCE ORAMEL, Ph.D., Professor of Sociology (*Chairman of Department*).
- HICKS, CLIFFORD MILTON, LL.B., A.M., Assistant Professor of Business Organization and Management.
- HILL, LUVICY MARTHA, A.M., Ed. M., Associate Professor of Commercial Arts (*Chairman of Department*).
- HIMMEL, WALTER JOSEPH, Ph.D., Associate Professor of Botany.
- HOWERTON, GEORGE R., Instructor in Hiram College, Hiram, Ohio.
- HOWLAND, ADELENE, A.M., Teacher in City Schools, Lincoln.
- JACKMAN, WILLARD C., A.M., Superintendent of Schools, Sheldon, Iowa.
- JENNESS, ARTHUR FREEMAN, Ph.D., Special Adviser to Freshmen and Assistant Professor of Psychology.
- JENSEN, CATHERINE, B.Sc., Rural Demonstration Teacher.
- JOHNS, WALTER BURCHARD, A.M., Supervisor of Mathematics, Teachers College High School, with rank of Instructor.

- KEIM, FRANKLIN DAVID, Ph.D., Professor of Agronomy (*Chairman of Department*).
- KELTY, MARY, A.M., Lecturer at the University of Chicago.
- KIRKPATRICK, HOWARD, B.Mus., Director of the School of Music, Professor of Voice, and Conductor of the Choral Union.
- LANTZ, EARL WILLIAM, A.M., Associate Professor of Secondary Education.
- LEATON, LOUISE LOCKERBY, M.Sc., Instructor in Home Economics.
- LINN, H. H., Ph.D., Assistant Superintendent of Schools in charge of Business Affairs, Muskegon, Michigan.
- LOEFFEL, WILLIAM JOHN, M.Sc., Professor of Animal Husbandry.
- LYMAN, RUFUS ASHLEY, A.M., M.D., Dean of the College of Pharmacy, Director of Student Health Service, and Professor of Physiology and Pharmacology (*Chairman of Department*).
- MCNEILL, CLARENCE ERNEST, Ph.D., Professor of Economics.
- MARDIS, HAROLD C., A.M., Principal of High School, Lincoln.
- MARVIN, HENRY HOWARD, Ph.D., Professor of Theoretical Physics (*Chairman of Department of Physics*).
- MATZEN, JOHN MATHIAS, Ph.D., Assistant Professor of School Administration.
- MEDLAR, ARTHUR WALTON, A.M., Associate Professor of Rural Economics.
- MICKEY, CLARK EDWIN, B.Sc. in M.E., B.Sc. in C.E., Professor of Civil Engineering (*Chairman of Department*).
- MINAULT, PAUL A., A.M., Professorial Lecturer, University of Minnesota.
- MITCHELL, ADELPHIA, A.M., Formerly Associate Professor of Geography Sam Houston Teachers College, Huntsville, Texas.
- MOLZER, AUGUST VICTOR, Professor of Violin and Acting Professor of Instrumental Ensemble.
- MORTON, GRACE MARGARET, A.M., Associate Professor of Home Economics.
- MORTON, WILLIAM HENRY STEPHENSON, Ph.D., Professor of Education (*Chairman of Department of Secondary Education*) and Director of Teacher Training.
- MULLETT, C. F., Ph.D., Professor of English History, University of Missouri.
- MUNDY, LOUISE EASTERDAY, Assistant Professor of Drawing and Painting.
- MUSSEHL, FRANK EDWARD, B.S., Professor of Poultry Husbandry (*Chairman of Department*).
- NORTON, WILLIAM W., Supervisor of Public School and Community Music, Flint, Michigan.
- NOVOTNY, E. L., A.M., Superintendent of Schools, Beatrice.
- OLDFATHER, CHARLES HENRY, Ph.D., LL.D., Dean of the College of Arts and Sciences and Professor of Ancient History (*Chairman of Department of History*).
- OLIVER, DOROTHY, B.Sc., Supervisor of Speech Correction in City Schools, Gary, Indiana.
- PAGEL, H. ARMIN, Ph.D., Assistant Professor of Chemistry.
- PATTERSON, CHARLES HENRY, Ph.D., Assistant Professor of Philosophy.
- PFEILER, WILHELM K., Ph.D., Assistant Professor of Germanic Languages.
- PHILBRICK, INEZ CELIA, A.M., M.D., Special Lecturer in Physiology and Resident Physician, Student Health.
- PIERCE, TRACY AUGUSTUS, Ph.D., Professor of Mathematics.
- PLATT, EARL THOMAS, A.M., Assistant Director of University Extension in charge of Supervised Correspondence Study and Instructor in School Administration.
- PLATT, HARRIET THOMPSON, B.F.A., Instructor in Music and Supervisor of Music, Teachers College High School.
- POWELL, EUGENE FRANCIS, A.M., Instructor in Zoology and Anatomy.
- PRICE, MAUD, A.M., Elementary Supervisor, Monroe, Michigan.
- RAINEY, ELIZABETH, A.M., Primary Supervisor, Omaha.
- RANDALL, RUTH, B.F.A., Assistant in Theory and History of Music.
- REDFORD, HELENA ISABELLE, B.Sc., B.Sc. in Pharm., B.Mus., Resident Pharmacist, Student Health.
- REINHARDT, JAMES MELVIN, Ph.D., Associate Professor of Sociology and Lecturer in Sociology and Sociological Psychology in the School of Nursing.
- REINMUTH, OSCAR WILLIAM, Ph.D., Associate Professor of the Classics.

- RIDNOUR, ROMA. A.B. in Educ., Teacher in City Schools, Lincoln.
- ROSENLOF, GEORGE WALTER, Ph.D., Professor of Secondary Education.
- SAENZ, HILARIO, Ph.D., Assistant Professor of Romance Languages.
- SCHLICHTING, MINNIE, A.M., Assistant Principal and Supervisor, Teachers College High School, with rank of Instructor.
- SCHMIDT, ARTHUR HERALD, D.D.S., Professor of Prosthetic Dentistry and Instructor in Dental Literature.
- SCHRAMM, ECK FRANK, A.M., Professor of Geology (*Chairman of Department*).
- SCHWENKER, HARRIETT MAY, M.A., Instructor in Commercial Arts.
- SCOTT, TRENNIA, B.Sc., Teacher in City Schools, Wilmette, Illinois.
- SELLERS, JAMES LEE, Ph.D., Professor of History.
- SENNING, JOHN PETER, Ph.D., Professor of Political Science (*Chairman of Department*).
- SETZER, BERNICE V., B.Ap.Art, Teacher in City Schools, Des Moines, Iowa.
- SHANNON, ELIZABETH, A.M., Chairman of the Department of Design Work, Maryland Institute of Fine Arts, Baltimore.
- SMITH, ALPHEUS, Ph.D., Associate Professor of English, Northwestern University.
- SMITH, CHAUNCEY WILLIAM, M.S., Professor of Agricultural Engineering.
- SPALTEHOLZ, CHARLOTTE, A.B., Supervisor of Art in City Schools, Stockton, California.
- SPANGLER, CLIFFORD DEAN, A.M., Assistant Professor of Economics.
- SPENCER, ROY CLARENCE, Ph.D., Assistant Professor of Physics.
- STECKELBERG, MARIE MATHILDE, A.M., Assistant Instructor in Germanic Languages.
- STEPANEK, ORIN, A.M., Associate Professor of English and Slavonic Languages.
- STONEMAN, MERLE, A.M., Superintendent of Schools, Rising City.
- STRAKA, JOHN, A.M., Assistant in Extension Division.
- STRONG, MABEL EVELYN, Ph.D., Instructor in English.
- STUFF, LILLIAN BELLE, R.N., Resident Nurse, Student Infirmary.
- STURDEVANT, ROGER EDWARD, D.D.S., Professor of Operative Dentistry.
- SWAYZEE, CLEON OLIPHANT, Ph.D., Associate Professor of Personnel Management.
- VAN DEN BARK, MELVIN, A.M., Instructor in English.
- VAN ROYEN, WILLEM, Ph.D., Assistant Professor of Geography.
- WALKER, GAYLE COURTNEY, A.M., Director of the School of Journalism and Associate Professor of Journalism.
- WALTON, WILLIAM EDWARD, Ph.D., Assistant Professor of Psychology.
- WASHBURN, EDWARD ROGER, Ph.D., Associate Professor of Chemistry.
- WEAVER, JOHN ERNST, Ph.D., Professor of Plant Ecology.
- WEBB, ADIN HILTON, B.Sc., M.D., Resident Physician, Student Health.
- WEBER, DANIEL HARRY, A.M., Superintendent of Schools, Humboldt.
- WEBSTER, EDITH LENORE, A.B., Associate Professor of Geology.
- WEIR, EDWIN, B.Sc., Assistant Coach of Football and Track, with rank of Instructor.
- WERNER, OSCAR HELMUTH, Ph.D., Professor of Principles of Education.
- WHITNEY, DAVID DAY, Ph.D., Professor of Zoology (*Chairman of Department*).
- WILLIAMS, RAMOND HENDRY, M.Sc., Instructor in Sculpture and Ceramics.
- WILSON, CLARA OWSLEY, Ph.D., Professor of Primary and Elementary Education (*Chairman of Department of Elementary Education*).
- WILTSE, EARLE W., A.M., Superintendent of Schools, York.
- WIMBERLY, LOWRY CHARLES, Ph.D., Professor of English.
- WISE, HAROLD EDWARD, A.M., Instructor in Secondary Education.
- YENNE, HERBERT AUSTIN, A.M., Assistant Professor of Speech and Dramatic Art.

## SUMMER SESSION, 1936

As in former years, the University of Nebraska will offer in the summer of 1936 a short and a long session. These sessions are based on a desire to make the summer session serve the greatest number of students possible without impairing the quality of the work offered. The program of summer courses has been expanded to meet the constantly changing needs and

demands in the field of education. The work offered is designed to furnish not only a scholarly program of professional and academic courses but one sufficiently flexible to meet the needs of all types of students including teachers, or those preparing to teach, school supervisors and administrators, college students who desire to make up deficiencies or to continue their regular collegiate study, students who must meet prerequisites for admission to professional schools, or anyone desiring to pursue studies for their cultural or vocational values.

#### CHARACTER AND EXTENT OF WORK

The summer school program is designed to meet the needs of all classes of students. The curriculum ranges from undergraduate courses to graduate courses leading to the Master's and Doctor's degrees.

The summer courses are equivalent in method, character, and credit values to those offered during the regular school year and, in some departments, superior to the work offered at any other time. Most of the departments have designed their summer school programs in such a manner that students working for advanced degrees may complete their requirements in four consecutive sessions.

#### SESSIONS

Major emphasis is placed on the long session, consequently a more extensive program, particularly in academic and graduate courses, is offered during this session. The two sessions run concurrently beginning June 9. The short session closes July 17 and the long session closes August 7.

The offerings in the Graduate College are more extensive than in former years with unusual opportunities in both the professional colleges and the liberal arts college for students pursuing their graduate work.

#### WORK COMPLETED BY EXTENSION

Arrangements have been made with the various departments offering extension courses whereby a student will be permitted to carry certain courses during the short session and complete the same for an additional hour of credit after the close of the session through the Extension Division.

#### SPECIAL LECTURERS AND VISITING INSTRUCTORS

In addition to the regular teaching staff of the University, a number of men and women of national prominence have been invited to offer courses in specialized fields or to supplement the regular work by special lectures. Among those who have been invited to appear in the 1936 session are the following:

Fred A. Carlson, Ph.D., Professor of Geography, Ohio State University, is junior author of *The Geographic Basis of Society*, a text widely used in basic courses in geography in this country. He is also the author of *The Geography of Latin America*. He is a member of the Association of American Geographers with recognized high standing among his colleagues.

Thomas Milton Carter, Ph.D., Head of the Department of Education at Albion College, has been secured to offer courses in the psychology of the elementary school subjects and the psychology of the high school subjects. Dr. Carter has popularized himself as a lecturer on Educational Psychology in the summer schools of several of our neighboring institutions and is well known through his contribution to the *Journal of Educational Psychology*, *School and Society*, the *International Journal of Ethics*, and other periodicals in education.

Alfred Crago, Ph.D., is Professor of Educational Psychology and Tests and Measurements at the University of Florida.

George R. Howerton, formerly of Chicago, now on music faculty of Hiram College, Hiram, Ohio, is an authority on conducting and is also well prepared to present a methods and musical materials course for choral work in the public schools. Music supervisors will be interested in Mr. Howerton's practical presentation of choral problems.

Mary Kelty, A.M., is a nationally known authority in the field of social studies and is the author of numerous articles and many books for children and teachers. She has traveled extensively to study social conditions in foreign lands. She will offer courses in supervision and methods in the field of social sciences.

H. H. Linn, Ph.D., Columbia University, who is Business Manager and Assistant Superintendent of Schools at Muskegon, Michigan, will again offer courses in the field of school buildings and the business administration of schools. Dr. Linn's outstanding work in his present position as well as his extensive writing have caused him to be ranked among the foremost leaders in his field. Since Dr. Linn served for a number of years as superintendent in the smaller schools of Nebraska he is qualified to deal in a practical way with conditions as they are in this state.

C. F. Mullett, Ph.D., Columbia, is Professor of English History at the University of Missouri. His particular field of research is the relationship between the United States and England prior to and during the American Revolution and his particular study has been the Intellectual Development of Western Europe, the course which he will offer in our summer session of 1936.

Paul Minault is Professorial Lecturer at the University of Minnesota. He is a graduate of Miami University and for the past three successive summers has been special lecturer at the famous Institute of French Education of Pennsylvania State College. He was educated in European and American universities. He traveled extensively and served with the French Foreign Legion in Africa where he was decorated with the Croix de Guerre for heroic action against the Riffs.

William W. Norton is an educator of outstanding ability. He is president of the North Central Music Supervisors' Conference; was on the staff of Columbia Teachers College; and has spent several summers at the National Camp at Interlochen, Michigan, assisting Mr. Joseph Maddy in his work there. Mr. Norton has been eminently successful as Supervisor

and Director of Public School and Community Music at Flint, Michigan.

Dorothy Oliver, B.Sc., is Chairman of the Department of Speech Correction in the public schools of Gary, Indiana.

Maud Price, A.M., Elementary Supervisor in Monroe, Michigan, is thoroughly prepared in her field of work and comes highly recommended as an efficient and successful expert.

Elizabeth Rainey, A.M., is a Primary Supervisor in Omaha.

Bernice V. Setzer is Assistant Director of the Art Department in the Des Moines City Schools and is Supervisor of Art in the Theodore Roosevelt High School in that city. She is a graduate of the School of Fine Arts in the University of California and a graduate student in the International School of Art. She is a teacher of wide experience in Iowa and Colorado.

Elizabeth Shannon, A.M., is Chairman of the Department of Design Work at the Maryland Institute of Fine Arts, Baltimore.

Alpheus Smith, Ph.D., Associate Professor of English, Northwestern University, is recognized as one of the leading American authorities in the field of prose fiction. He has been president of the Prose Fiction Group of the Modern Language Association of America since 1928. He has made an exhaustive study during the past ten years of the critical and analytical bibliography of prose fiction in English from 1475 to 1740.

Charlotte Spalteholz is Supervisor of Arts and Crafts in Stockton, California.

#### THIRD ANNUAL EDUCATIONAL CONFERENCE

On June 23, 24, and 25, there will be held the annual Educational Conference. The conference this summer will concern itself with curriculum construction and guidance, both elementary and secondary.

Outstanding leaders of the nation will be invited to participate in these sessions. It is expected that the program will vitally touch upon the curriculum problems of both county and city superintendents, supervisors, principals, and classroom teachers as these relate to the social sciences. Details of this conference will be sent out later.

#### ALL-STATE HIGH SCHOOL ORCHESTRA, BAND, AND CHORUS COURSE

The University of Nebraska School of Music will offer a four-weeks All-State High School Orchestra, Band, and Chorus Course to properly qualified public school students during the summer session, from June 15 to July 10. The services of two musicians of outstanding ability have been secured. They will be assisted by the regular faculty of the School of Music.

The fee for this session will be \$37.00. This includes all expenses: Registration; board and room; complete supervision of study, recreation, and health; two vocal or instrumental lessons per week; and daily orchestral and choral rehearsals. Due to very limited facilities, reservations will be made in the order of applications received. Applications must be filed before June 1st.



One-half unit high school credit will be granted for this work upon the request of the superintendents of the various high schools.

#### SHORT COURSE FOR SCHOOL CUSTODIANS

A one-week course for school building custodians will be held June 22 to 27, 1936, under the direction of the Department of School Administration, Teachers College. Emphasis will be placed upon heating, ventilation, lighting, cleaning, sanitation, safety and fire protection of school buildings, care of school grounds, economics in janitorial service, upkeep and repair of equipment and building, and personal relations of the custodians.

Dr. H. H. Linn and other men competent in the field will conduct the lectures and demonstrations. The enrollment fee is \$5.00 per individual.

#### SOCIAL ACTIVITIES

RECREATION.—The summer session offers a program of recreation and social activities. A definite and comprehensive social program is being developed for the participation and enjoyment of the summer session students. Students will be permitted to participate in social activities including parties, picnics, sports, and games. Other forms of group activity and competition are being offered. The interest displayed by the students last summer has given the management sufficient confidence to justify a program of social activity for recreation of summer school students. This program will be sponsored by Professor Lantz with the assistance of a committee selected from summer school students. Announcements will be made in the semi-weekly Nebraskan which is furnished all summer school students free of charge.

SWIMMING.—The swimming pool located in the University Coliseum is available to the Summer School students. Swimming classes, with credit, are part of the programs offered by the Department of Physical Education for Women and Department of Physical Education for Men. In addition, separate free hours are listed for men and women students. Life guards will be on duty at all times and some instructional work will be available in these free hours. All those who desire to use the pool must satisfactorily pass a medical examination at the Student Health Office, Pharmacy Building. This examination is free. A physician's swimming pool permit card will be issued to all who pass the examination.

The general rules and regulations governing the use of the pool, towel fees, rental of lockers, etc., are posted in the locker rooms and offices of the men's and women's departments and will otherwise be made known to the summer session group. It is hoped that all will avail themselves of the opportunity to use the pool, which is the finest of its kind in the middle west.

#### CERTIFICATES

Information concerning the courses necessary to receive a certificate from the University of Nebraska will be given upon request, by the Dean of the Teachers College, Lincoln, Nebraska.



## PRACTICE TEACHING AND DEMONSTRATION SCHOOL

The training school of the Teachers College will be in operation during the Summer Session at the University and offers excellent advantages for the study of supervision and the practical phases of problems in secondary education. These classes are intended to demonstrate educational principles given in courses during the Summer Session. Classes in commercial arts, English, mathematics, social sciences, and natural sciences will be taught by students registering for Education 123. Practice teaching credit will be given in the demonstration school the same as during the regular collegiate year. Students desiring practice teaching should file their application with Dr. Morton, Director of Teacher Training, before summer school registration.

## ELEMENTARY EDUCATION LABORATORY SCHOOL

The laboratory school of the Elementary Education Department is an experimental school where newer theories and practices—which may be taken over by the Public Schools of Nebraska—are tried out and evaluated. Not only is it a clearing house for current practices but it serves as a clinic for research, thus contributing to better educational material and more effective teaching.

The school includes a nursery, grades I, III, IV, VI, a Reading Clinic, and a Rural School. It is open to students registered in Observation courses, to graduate students, and to visitors securing visitors' cards from the Department Office (T.C. 312).

## REGISTRATION

Registration for the Summer Session will be held Tuesday, June 9, from 1 to 5, and Wednesday, June 10, from 8 to 12 and 2 to 5, in the University Coliseum. An additional fee of \$3 will be charged students registering after the regular registration days and a fee of \$1 for each additional week after classes have begun. Graduate students register until June 18 without additional charge. No registrations will be accepted after June 18.

A student will be permitted to select courses from both the long and short session. The maximum number of hours for which a student may register may not exceed 18 recitation hours per week, three hours of laboratory being equivalent to one recitation hour, except by written permission from the Director of the Summer Session.

## CREDIT

Students may carry a maximum of nine hours of college work during the long session, or six hours during the short session. All courses in the Summer Session carry college credit and may be changed to entrance credit on the basis of one entrance unit for two three-hour courses. Courses offered in the Teachers College High School give entrance credit only.

## STUDENT HEALTH SERVICE

The University maintains a department of student health with offices in the building of the College of Pharmacy. Several physicians and a nurse are in attendance and give students medical advice and treatment free of cost. The College of Pharmacy maintains a pharmaceutical dispensary where drugs and medical supplies are furnished students at cost. An infirmary with a capacity of thirty-five beds exclusively for the use of students is also maintained in separate buildings on the University campus. Students who are ill and cannot be cared for in their rooms or boarding houses are given expert care in the infirmary at a nominal cost. In this way provision is made whereby every student shall have the benefit of medical care in case of sickness. As all of this service is maintained solely for the benefit of the students, the University cannot assume responsibility for unforeseen or unexpected results.

## BOARD AND ROOM

Since Lincoln provides a large number of rooms during the regular session of the University, many rooms are available during the summer at moderate price. Information concerning rooms for boys may be obtained by writing to the Dean of Student Affairs.

Women should apply to the office of the Dean of Women for information concerning dormitories, approved rooming houses, and employment. This office maintains a Housing Bureau in order to assist women students in finding the best accommodations possible. All rooms on the approved list have been inspected in accordance with certain standards. Students are asked to cooperate with the University by insisting upon the residence rules even if they do not engage their rooms through the Housing Bureau.

The residence of men and women in the same lodging house is not approved, and is not permitted unless the circumstances are unusual. In this case, written permission must be granted by the Assistant Dean of Women. Women students are not permitted to live in apartment houses unless living with parents, a mature member of the family, or a member of the faculty.

All landladies are expected to provide for the use of women students, till twelve on Friday and Saturday evenings and 11 o'clock on Sunday evening, a reception room on the first floor, properly lighted. Women students in these houses will receive gentlemen callers only on evenings named and only in the reception rooms.

## THE WOMEN'S DORMITORY

The enjoyable features of Carrie Belle Raymond Hall are among the reasons why many students find it a pleasure to attend summer school. The new dormitory will again be open to students this summer, and those desiring rooms during either or both of the summer sessions may reserve them by writing the director of the dormitory. A \$10 deposit is required to guarantee reservations.

The new building is a three story unit, fireproof and modern in every respect. Only two blocks from the campus, its facilities are more and more in demand each month of the school year. Each student room is equipped with a lavatory with hot and cold water, clothes closets, two single beds with necessary linens and spreads, comfortable chairs, study tables, rugs, curtains, and other fixtures. In addition, each student room is equipped with a buzzer from the office switchboard. Several telephones are located on each floor, with switchboard and office service fifteen hours daily. There are two large, and excellently equipped bathrooms on each floor.

Summer school students find Carrie Belle Raymond Hall even more enjoyable during the summer months. Residents have the advantage of the large open veranda and the use of the outdoor recreation grounds, including tennis courts just adjacent to the building.



The opportunity of providing that personal touch to a room that makes it a "homey" place in which to live, is not denied residents of the dormitory. Each student supplies dresser scarfs, towels, pictures, and other personal necessities.

As to the arrangement of the building, the newcomer will find the dining hall, lounges, social director's quarters, and business offices all on the first floor. On the ground floor is a large recreation room and an entertainment hall for the use of occupants. Rooms equipped for hand laundry, and other service rooms are also located on this floor.

Rental for room, including two meals each day (breakfast and evening dinner) will be \$7 per week per person, in double rooms.

A "Camera Story" of the new University dormitory will be mailed on request. Address Registrar's Office, The University of Nebraska.

## FEES

Upon registration, fees must be paid to the Finance Secretary. No person may enroll in classes or take any examinations until the fees are paid. The schedule of fees is as follows:

Matriculation	\$ 5.00
Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another or on re-entering the University after receiving a degree.	
Medical Service	1.00
Student Union Building Fund	1.00
Registration	1.00
Re-registration or any change in registration	1.00
Late registration, minimum	3.00
For each additional week after classes have begun	1.00
Late registration Graduate College (after first week of classes) minimum	3.00
For each additional week thereafter	1.00
Tuition for long session for full credit (eight or nine hours) except in the Colleges of Dentistry and Pharmacy	24.00
Tuition for long session for less than full credit	per credit hour 3.00
Tuition for short session	per credit hour 3.00
Except Civil Engineering 7s, 103s, 105s, 204s, 206s	per credit hour 5.00
Except Geology 240	per credit hour 5.00
Summer Surveying Camp	
Tent rental	5.00
Commissary	45.00
Auditor	
Students carrying other courses (per course)	1.00
Students not carrying other courses, registration	1.00
In addition, one-half the regular course fee.	
Catalog, general	.50
Certificate	
For all special courses	1.00
Teachers	2.00
Examination, special	
Each course, general colleges	1.00
Each subject, Medical College	5.00
Fine Arts fees for special students, not regularly matriculated:	
Registration	1.00
Drawing, including use of studio:	
Three one-hour lessons a week—9 weeks	6.00
Three one-hour lessons a week—6 weeks	4.00
Drawing and Painting, including use of studio—9 weeks:	
One three-hour lesson a week	6.00
Two three-hour lessons a week	12.00
Three three-hour lessons a week	15.00
Students under 16 years, two two-hour lessons a week	9.00
Drawing and Painting, including use of studio—6 weeks:	
One three-hour lesson a week	4.00
Two three-hour lessons a week	8.00
Three three-hour lessons a week	10.00
Students under 16 years, two two-hour lessons a week	6.00
China Painting, including use of studio:	
Three lessons a week—9 weeks	12.00
Three lessons a week—6 weeks	8.00

Graduation, baccalaureate degree.....	5.00
Advanced degrees .....	10.00
In absentia or medical cum laude, additional.....	10.00
Infirmary, (per day).....	1.00

## PROFESSIONAL COLLEGES

Dentistry, College of

This includes academic tuition

Courses 107, 108, 109, 110.....	per credit hour..\$ 6.50
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Pharmacy, College of

All courses .....	per credit hour.. 3.00
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## TEACHERS COLLEGE HIGH SCHOOL

Registration .....	1.00
Tuition, per course.....	4.50

To avoid misapprehension as to the amount charged for fees, checks on personal accounts will be received only when written for the exact amount of the fees. Parents or guardians should write checks for fees and for other expenses separately; if this is not done, students should deposit in a local bank and give personal checks for the amount of the fees.

Remittance by mail should be by draft, money order, or cashier's check. Do not send coin or money except by registered mail. It is impossible to trace money lost in the mail and University officials cannot be held responsible for such loss.

NON-RESIDENT STUDENTS.—All students, not resident in Nebraska, must pay a non-resident fee, the fee charged being not less "than the fee charged to residents of Nebraska for a similar course of study in a corresponding institution by the state in which such a non-resident has his home." This fee will be \$9 for the long session and \$6 for the short session.

The following rules have been adopted by the Board of Regents:

1. In accordance with statutory provisions, all students not domiciled in Nebraska are required to pay the non-resident fees. These entering the state to attend a state school, or within one year prior to matriculation, are presumed to be non-residents and the burden of overcoming this statutory presumption is upon them. Ordinarily this will not be satisfied by a mere declaration, while attending school, of intent to reside in Nebraska.

2. One desiring exemption shall make a verified application therefor upon a blank to be secured from the Finance Secretary's office and approved by the committee on exemptions. All information called for by the form shall be given in full. When duly verified, the application shall be filed with the Finance Secretary.

3. Students who are charged the non-resident fee by the Registrar, and who claim exemption, must file their application for exemption with the Finance Secretary on or before the end of the ninth week of the semester for which the fee is charged; in the case of summer sessions, before the end of the third week of the term for which the fee is charged. For failure after due notice to file such application on said date, the fee becomes automatically assessed to the student.

4. In all cases the burden is upon the applicant to make a showing sufficient to justify the requested exemption. While personal hearings will not be granted as of right, the committee will summon the applicant for a personal interview in all cases where it is of the opinion that such an interview will aid the proper disposition of the case.

It should be noted that no provision is made for exempting students from this fee on account of financial need or of scholarship. Students coming from outside the state therefore should be prepared to pay the fee throughout their University career.

REFUNDS.—The matriculation fee will be refunded only when charged through an error of a University official. Registration fee, medical service fee, and student union building fund fee will not be refunded but tuition fees may be refunded on withdrawal in good standing from the University according to the following schedule:

Tuition returnable.....	All	75%	50%	25%	None
Summer session, 9 weeks, withdrawal within.	1	2-3	4-5	6-7	8-9 weeks
Summer session, 6 weeks, withdrawal within.	1	2	3	4	5-6 weeks

Students should be careful to keep all receipts issued by the University officials.

#### LIBRARIES

The libraries in Lincoln, accessible to students of the University, aggregate approximately 580,000 volumes. They are located as follows:

	Volumes
The University Library.....	300,000
The State Library.....	105,000
The Lincoln City Library.....	110,000
The Nebraska Historical Society Library.....	25,000
Legislative Reference Library.....	40,000
	<hr/>
	580,000

THE UNIVERSITY LIBRARY.—The University Library of 300,000 volumes occupies the main floor of Library Hall. It is primarily a reference library.

During the Summer Session the main library and periodical room are open from 7:50 a. m. to 10 p. m., except on Friday and Saturday evenings, when they close at 6 p. m.

The libraries are classified by the Decimal system with a complete card catalog of authors and subjects. Students in the University may take out books which are not reserved for reference or class use for two weeks.

Books on reserve may be taken out from 9:30 p. m. until 8 a. m. the following morning.

The University's libraries are open for reference to anyone whether connected with the University or not. Reference work is gladly done by correspondence.

## ADMISSION

The requirements for admission to the Summer Session correspond to those of the semestral sessions as given in the general table of entrance requirements.

**UNDERGRADUATE COLLEGES.**—Credentials for admission into the undergraduate colleges of the University should be mailed at least two months before the beginning of the session in which the student wishes to enroll. When accepted, the credentials are filed with the Registrar and become the permanent property of the University.

Admission is gained through matriculation in one of the ten colleges (the Schools of Journalism, Music, and Nursing are included in the Colleges), either to freshman standing, advanced standing, or as an adult special student. Requirements for admission to the various colleges vary but slightly, except in the case of the Colleges of Law, Medicine, and Dentistry.

**TO FRESHMAN STANDING.**—For full admission to freshman standing applicants must present 12 entrance units, for conditional admission a minimum of 11 entrance units, completed in grades 10, 11, and 12. An *entrance unit* indicates the work of five recitations a week, of 40 to 50 minutes each, for at least thirty-six weeks. In laboratory courses an entrance unit indicates three recitations and two double periods of laboratory work each week for at least thirty-six weeks. In laboratory courses without recitation, an entrance unit is the equivalent of 15 single periods each week. Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

**ADMISSION BY CERTIFICATE.**—Admission by certificate may be had from the secondary schools on the accredited list of the University, and from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools and of accrediting associations of equal rank.

Applicants for admission *who are graduates of secondary schools accredited to the University* must file their "Certificates of Accrediment" with the Registrar or indicate the name of their school and the year of graduation.

Applicants *who are not graduates but wish to enter from secondary schools accredited to the University* must present at least 11 entrance units completed in the senior high school (grades 10, 11, 12) and a request from the Superintendent that the applicant be admitted before graduation. They must also file with the Registrar an officially certified record showing the length of time of attendance, the length of each course in weeks, the number of recitations each week, the length of recitations, and the grade secured.

Applicants *from secondary schools which are members of the North Central Association of Colleges and Secondary Schools and of accrediting associations of equal rank* must secure and file with the Registrar an

officially certified record giving the same information as required in the paragraph above, together with a statement whether or not the applicant is a graduate.

**ADMISSION BY EXAMINATION.**—Applicants with at least 11 entrance units *from non-accredited high schools* are required to pass, during the period of registration, either the entrance examinations given by the University Examiner or a satisfactory psychological test.

**ENTRANCE SUBJECTS.**—Graduates of accredited high schools may have full admission to freshman standing on 12 entrance units properly selected, conditional entrance on 11 units completed in the senior high school (grades 10, 11, and 12).

Nine academic units are required, which shall include a major (3 units) and 2 minors (2 units each), consisting of English and mathematics for all colleges and other academic subjects with such specific restrictions as are indicated for each individual college. Academic subjects are defined as English, foreign languages, mathematics, natural sciences, and social sciences. A major in foreign languages may consist of a year of one language and two of another, but a minor must be in a single language. A major or a minor in mathematics must include a year of algebra and a year of geometry. A unit of algebra and a unit of foreign language completed below grade 10, while not counting toward the units for admission, may be applied toward meeting majors and minors.

In the College of Arts and Sciences, Business Administration, Pharmacy, the Teachers College, and the Schools of Journalism and Music, the major and the minors shall be chosen from English, foreign languages, and mathematics.

In the College of Engineering, mathematics is prescribed as the major and physical sciences and English as minors. In the five-year and three-year architectural groups the physical science minor may give place to a minor in Latin, French, or social sciences.

In the College of Agriculture, the major and the minors shall be chosen from English, mathematics, and any other academic subject.

**Special Provisions—**

- (1) College of Dentistry—Same as for the College of Arts and Sciences except that 1 unit of physics is required and a minor in physical sciences is recommended. In addition 30 college hours of academic work, including chemistry 6 hours, biology 6 hours, and English 6 hours, are required.
- (2) College of Medicine—Same as for the College of Arts and Sciences, except that Greek or Latin is recommended, and in addition 65 college hours of academic work, including chemistry 12 hours, 4 of which shall be organic; English 6 hours; physics 8 hours; zoology 8 hours, are required. Each student is required to take the aptitude test as provided by the Association of American Medical Colleges, except where specifically excused by authorities of the College.
- (3) Teachers College—Candidates for the B.Sc. in Educ. shall choose major and minors from English, mathematics, and any other academic subject.
- (4) Smith-Hughes Vocational—One unit of second-year vocational agriculture or vocational home economics may count as a natural science when offered in addition to two other units of natural sciences in the Colleges of Agriculture,



Business Administration, Engineering, and Pharmacy and toward the degree of B.Sc. in Educ. in Teachers College. One unit of third-year vocational agriculture may count as a natural science when in addition to one other unit of natural science in the Colleges of Agriculture and Engineering.

Graduates of accredited schools, presenting at least 12 units as specified above, may make up deficiencies in required entrance subjects by carrying college work in those subjects. Such credits may apply on the hours for graduation as free electives, but not to meet group or other prescribed courses, except that students in the College of Engineering may apply credit in Physics A and B only for entrance and those in that college who must carry the ten-hour course in beginning chemistry may apply only six hours thereof toward graduation.

For students who are not high school graduates, or who are graduates of non-accredited high schools, the college hours carried to make up entrance deficiencies may not apply toward graduation.

Students deficient in algebra or geometry must carry the work in high school or by correspondence, and may not carry in any one semester more than fourteen or fifteen college hours with one-half unit entrance credit.

**ADVANCED STANDING.**—Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an officially certified statement of the college work already accomplished* showing the length of time in attendance, the length of each course in weeks, the number of recitations or lectures per week, the length of recitation or lecture, the amount of time per week in laboratory courses, and the grade and credit hours secured; (3) *an officially certified record of the secondary school work* satisfying the admission requirements of that College of the University which they seek to enter.

Credit is given for work completed at institutions which maintain standards of admission and graduation equal to those of this University. Credits submitted from schools that do not have such standards are scaled or adjusted in proportion to the character and standing of the institutions. At least 30 of the last 36 hours required for the Bachelor's degree must be registered for and carried in that college of this University which recommends the granting of the degree.

College credit is given for work done in a secondary school only upon examination and when not needed for entrance. A maximum of nine hours credit is allowed and only in applied music, chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third- and fourth-year German, French, and Latin, and fourth-year English. This must count as elective credit except that applied music is allowed to count on the major or minor requirement. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

**"ADULT SPECIAL."**—Persons at least 21 years of age (24 for College of Law) who *cannot* fulfill the regular admission requirements for freshman standing, but who present an equivalent academic training, or who have

otherwise acquired adequate preparation for collegiate courses, may be admitted to the University as "Adult Specials," upon approval of the Dean of the College which the applicant desires to enter. Adult specials are subject to the same regulations as regular students in respect to military science or physical education and eventual graduation requirements and are not candidates for graduation until they have fulfilled all requirements including those for admission.

AUDITORS.—A student carrying other courses in the Summer Session may audit a course upon the written approval of the instructor of the course and the Director of the Summer Session. A fee of one dollar is charged for each course audited and a card issued the student entitling him to admission to the course. In the case of non-students the same approval is required, and the fee is one dollar for registration and one-half the regular course fee. Under no circumstances may credit be granted for any audited course unless the auditor shall have repeated the course as a bona fide student. Permission to audit conveys only the privilege of hearing and observing. Auditing permits are not issued in laboratory courses, typing, shorthand, physical education, or in any course such as music or dramatics that involves student participation.

#### REQUIREMENTS FOR GRADUATION—GENERAL STATEMENT

To obtain a Bachelor's degree in any of the colleges of the University, except in Dentistry, Engineering, Law, and Medicine, the student must complete and have credit for a minimum of 125 "credit hours." Thirty hours must be completed in residence in the college granting the degree and at least 30 of the last 36 hours required for the Bachelor's degree must be registered for and carried in that college of this University which recommends the granting of the degree. At least 80 per cent of the student's work carried in this University must be of a grade of 70 or more to count toward graduation. A student expecting to receive a diploma or certificate must file with the Registrar an application to be admitted to candidacy for graduation. Blank forms for this purpose may be obtained from the Registrar. No student is recommended for a degree who has not been reported as within 18 hours of this requirement at the beginning of his last semester. Other rules apply to the Colleges of Dentistry, Law, and Medicine.

A "credit hour" represents the completion of a total of three hours work per week for one semester, consisting of lectures, recitations, preparation, or laboratory. A semester covers a period of 18 weeks, including registration and examinations.

The maximum amount of credit that may be earned by a student during any semester is 18 hours; during the Summer Session, 9 hours in the long session or 6 hours in the short session.

Credit may not be received for work carried in the Extension Division at the same time a student is registered for resident work, if the combined number of hours is more than the maximum. No credit earned by corre-

spondence will be accepted toward an advanced degree. At no time may more credit hours for correspondence study be recorded in the office of the Registrar than the student has on record earned in residence in the University of Nebraska or in another institution of college grade and accepted at the University of Nebraska.

All candidates are expected to appear in cap and gown at the commencement exercises.

#### ADMISSION TO THE GRADUATE COLLEGE

The privileges of the Graduate College are open to the graduates of all the colleges of this University, and to the graduates of other universities and colleges of recognized standing whose requirements for graduation are substantially the same as in the corresponding college of this University. Students must submit satisfactory evidence of graduation from a recognized college or evidence of completion of all requirements for a Bachelor's degree before being admitted to the Graduate College.

Persons who have completed all the requirements for the Bachelor's degree, but who have not had an opportunity to receive the degree since the work was completed, may be registered in the Graduate College provisionally. Such registration shall become valid provided the degree is granted on or before a definite date to be fixed at the time of registration.

Seniors in this University who have at least 110 hours credit may be permitted to register in courses carrying graduate credit in addition to the courses necessary to complete the number of hours required for graduation. Such registrations are regarded as virtual registrations in the Graduate College, and the credit granted is recorded as graduate credit provided that such registrations are approved for graduate credit by the Dean of the College at the time of registration.

Admission to the Graduate College does not, however, necessarily imply admission to candidacy for a higher degree.

The Graduate College recognizes two classes of applicants: (1) Those who are eligible to candidacy for higher degrees and who wish to enter at once upon their special work; (2) those who having taken a Bachelor's degree wish to broaden their education without reference to higher degrees. Applicants who wish to become candidates for advanced degrees, but who are insufficiently prepared, may be permitted to enter the Graduate College but are required to make up their deficiencies by taking courses in the undergraduate colleges before they are admitted to candidacy.

Applicants whose deficiencies in their desired field of specialization are approximately equal to one full year's work will usually find it greatly to their advantage to matriculate in one of the undergraduate colleges as candidates for second baccalaureate degrees.

The student should file with the Dean of the Graduate College an official transcript of his undergraduate work before presenting himself for registration. This should be filed by June 1 if he is entering in the

summer session or by July 1 if entering in September. The transcript remains on permanent file in the Graduate office.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS OR  
MASTER OF SCIENCE

**REQUIREMENTS FOR ADMISSION TO CANDIDACY.**—Graduates of the various colleges of this University and graduates of other institutions whose requirements for the Bachelor's degree are substantially the same as the requirements for the corresponding degree in the University of Nebraska, who have completed the substantial equivalent of our specific undergraduate prerequisites for graduate work in their respective fields of specialization, are admitted as candidates for a Master's degree when their applications have been approved by their graduate committees and the Dean of the college.

Graduates whose official transcripts show that they have not completed the above requirements may be permitted to matriculate in the Graduate College, but they will not be accepted as candidates for a Master's degree until they have made up all such deficiencies.

**REQUIREMENTS FOR GRADUATION.**—A candidate will not be recommended for a Master's degree until he has spent at least one academic year in residence at this University. During this period he must devote his whole time to study in courses of graduate grade, or in research, and in the preparation of a thesis. The minimum amount of work that must be accomplished shall be thirty credit hours, consisting of from twenty to twenty-four credit hours of regular course work, and a thesis equivalent to from six to ten credit hours.

Not more than one-half of the required course work shall be selected from courses open to juniors or seniors and such course work shall not be accepted as part of the requirements for a Master's degree unless the candidate receives a grade of at least 80.

All of the required work may be taken in one major subject or it may be taken in one major subject and one minor subject, the minor to consist of not less than nine hours nor more than twelve hours.

A candidate for a Master's degree may present as part of the requirement for the degree work done under approved conditions elsewhere. Such work shall be given due consideration in formulating the candidate's future course of study, but shall be given only such credit as may be recommended by the departments in which the candidate is specializing, and approved by the Graduate Council. Credit ordinarily shall not exceed six semester hours.

The Graduate Council may permit a graduate of the University of Nebraska (who has been approved as a candidate for a Master's degree) to do part of his work at another institution or to register for some special project to be done in a specified location, but under the direction of his major department.

All the work required for a Master's degree shall be completed within three consecutive calendar years unless extension of time be granted by the Graduate Council. Students who are engaged in teaching and who wish to do all of their graduate work during the summer vacations, shall be permitted to complete the requirements during four consecutive summer sessions of nine weeks each. Candidates who are unusually well prepared and who find it possible to do some graduate work during the intervening academic years may be able to complete all the requirements by attending three out of four consecutive summer sessions.

**FINAL EXAMINATIONS.**—Candidates shall present themselves for two examinations: (a) A written examination of at least four hours when all of the work has been taken in one major subject. When the candidate has a minor subject, three hours shall be devoted to the major subject and two hours to the minor subject. (b) An oral examination of two hours which may include the thesis.

**THESIS.**—Each candidate for a Master's degree is required to present a satisfactory thesis embodying the results of independent study or research. The subject shall be chosen from the candidate's field of specialization and shall be approved by his graduate committee. The treatment of the subject shall give evidence of scholarly attainments and shall demonstrate the candidate's ability to use the technique employed in his line of investigation and show reasonably satisfactory results either in the treatment of new material, or new interpretations of old material, or both.

The thesis shall be prepared in a form and style shown in the office of the Dean, or in the office of the University Librarian, and a copy shall be filed with the chairman of his graduate committee at least three weeks before the date of graduation. When accepted and completed one type-written copy shall be furnished to the department in which the major work is taken, and another copy shall be filed with the Librarian, in whose custody it shall remain.

A candidate shall not be eligible for the final oral examination until the thesis is completed and approved.

#### REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

**PREPARATION.**—Before entering upon study for the degree of Doctor of Philosophy, a student must have had the Bachelor of Arts or Bachelor of Science degree from the University of Nebraska or from an institution of similar rank, or the equivalent of one of these degrees.

**TIME REQUIREMENT.**—As a rule three years of full graduate instruction, or three years devoted to advanced study, are required of students for the degree of Doctor of Philosophy. One year, ordinarily the last, must be spent in residence at the University of Nebraska. In special instances, provided the residence requirement has been met, the last year may be passed elsewhere under the supervision of the department of major study at Nebraska. Students who are graduates of the University of Nebraska

are expected to devote at least one year to study at another institution, in order to broaden their academic contacts. Residence study for the degree of Master of Arts is counted in part fulfillment of the time requirement.

The time and residence requirements for a degree of Doctor of Philosophy are of secondary importance. The number of courses carried and the time occupied in faithful study do not determine the granting of the degree. It is given primarily for high attainment in some special field of study and for power of independent research in some subdivision of this field.

**MAJOR AND MINOR SUBJECTS.**—One major and one or two minor subjects of study, divided between at least two departments, are to be taken by a student. The major subject demands ordinarily more than half of the time of the student. He is expected to have a general knowledge of his major subject and detailed knowledge of some subdivision of it. Qualifying tests, given by the departments concerned, shall be taken by a student before he enters upon his doctorate study.

Minor subjects cognate with or auxiliary to the student's major subject are to be taken in fields approved by the major department. Ordinarily where the student chooses the minor in a single subject, it should consist of from 16 to 20 hours in graduate courses, of which at least 6 hours should be in courses numbered three hundred or above. Where two minors are chosen the first should consist of from 10 to 12 hours and the second minor of from 8 to 10 hours in graduate courses. The selection of the minor subject or subjects will depend on the preferences of the departments concerned and on the scholarly equipment and the special abilities of the student.

For complete information concerning the requirements for advanced degrees, see the bulletin of the Graduate College.

## COURSES OF INSTRUCTION

Undergraduate courses which may count for graduate credit are numbered in the two hundred series. Courses in the three hundred series carry graduate credit. In all cases, however, where graduate credit is desired, the initial registration must be approved by the Dean of the Graduate College.

Credit hours for each course are indicated by parenthesis (3).

## LONG SESSION

## BOTANY

**1. General Botany.**—An introductory course dealing with the fundamental facts and principles of biology as revealed by plants. (3). L 8 daily, BH218; lab 2-5 TTh, BH312. Mr. Himmel

**113. Flowering Plants.**—The classification of flowering plants and their application to monocotyledons and dicotyledons. Prereq 1 and 2 or Biology 1 and 2. (3). L 9 daily, BH 217; lab 2-5 MW, BH311. Mr. Himmel

**323. Seminar in Ecology.**—A study of special advanced problems in plant ecology. Prereq 221 and 222 or equiv. (2). Arr. Mr. Weaver

**339. Ecological Literature.**—Assigned readings in the sources and in current literature in plant ecology. Conferences. Prereq 221 and 222. Permission. (2). Arr. Mr. Weaver

**351. Research.**—Advanced and graduate work will be directed in fields for which students are prepared, especially in ecology and physiology. All details must be arranged with the instructor concerned. (Arr). Time arr. Mr. Weaver, Mr. Himmel

**353. Thesis.**—Graduate students register for this course for thesis credit. Arrange details of credit and time with instructor. Mr. Weaver, Mr. Himmel

## BUSINESS ORGANIZATION AND MANAGEMENT

**3. Principles of Accounting.**—Introductory course designed to furnish such a knowledge of accounting as will be of value to the business executive and will also serve as a foundation for the work of the professional accountant. Especially suited to the needs of teachers of bookkeeping. (3). L 9 MTWTh, SS302; lab 1-3 MW, SS311. Mr. Darlington

**4. Principles of Accounting.**—Course 3 continued. (3). L 10 MTWTh, SS302; lab 3-5 MW, SS311. Mr. Darlington

**21(21-22). Introduction to Business Administration.**—Introductory study of the problems of the business executive as they relate to the different phases of business activity—production, marketing, finance, personnel, risk-bearing. (3) 7 daily. SS301. Mr. Fullbrook

Economics 11 and 12 are prerequisite to all the following courses except 171 and 172.

**141. Marketing.**—Market functions; market devices, as middlemen, storage, and transportation facilities, advertising, salesmanship, brands, trademarks, cooperation, etc.; market systems for agricultural products, raw materials, and manufactured goods; efficiency of systems; prices. (3). 10 daily. SS314. Mr. Fullbrook

**147. Advertising Theory.**—Theory of the functions of advertising; types, characteristics, and uses of the following kinds of advertising: Magazine, newspaper, and direct advertising; outdoor advertising and publicity methods; advertising investigation; and a study of current advertising. (3). 9 daily. SS314. Mr. Blood

**161. Finance.**—Stocks and bonds and their functions in finance; financing of railroad, public utility, and industrial corporations; syndicating and selling securities; dividend, reserve, and sinking fund policies; failure and reorganization. (3). 8 daily. SS212. Mr. Hicks

**171. Business Law.**—Contracts, including mistake, fraud, duress, and capacity of parties; sales and mortgages of personal property; bailments. (3). 7 daily. SS302. Mr. Hicks

**172. Business Law.**—Negotiable instruments; suretyship and guaranty; agency; partnership; private corporations; bankruptcy. (3). 9 daily. SS305. Mr. Bullock



Twelve hours of business organization and economics are prerequisite to all courses in the 200 series.

**225. Retail Store Management.**—A study of retail store problems from the standpoint of executive control; accounting, organization, layout, merchandise control, budgets, store policy, personnel. (3). 8 daily. SS314. Mr. Blood

**258. Sales Control.**—A study of the problems of sales control from the viewpoint of the executive; the organization and operation of a sales department, sales planning, sales policies, and coordination of selling with other departmental activities. Prereq 141. (3). 11 daily. SS208. Mr. Blood

**290. Personnel Management.**—The nature of employment relations, selection and placement of workers, job analysis, labor turnover, wage systems, safeguarding the worker's health, physical and social environment of employees. (3). 9 daily. SS303. Mr. Swayzee

**300. Thesis Course.**—(1 to 3). Time arr. Staff

**341. Seminar in Marketing.**—(1 to 3). Time arr. Mr. Fullbrook

**347. Seminar in Advertising.**—(1 to 3). Time arr. Mr. Blood

**391. Seminar in Personnel Management.**—(1 to 3). Time arr. Mr. Swayzee

#### CHEMISTRY

**1. Elementary General Chemistry.**—Non-metals and their compounds; general principles. (5). L 9 daily. C102. Quiz 1 MTWTh. C101. Lab 2-5 MTWTh. C103. Mr. Hendricks

**2. Elementary General Chemistry.**—Course 1 continued. Chemistry of carbon and the metals. Introduction to qualitative analysis. (5). L 11 daily. C102. Quiz 1 MTWTh. C102. Lab 2-5 MTWTh. C103. Mr. Pagel

**3. Elementary General Chemistry.**—Non-metals and their compounds; general principles. Prereq 2 sems entrance credit in chemistry. (3). L 9 daily. C102. Quiz 1 MTWTh. C101. Lab 2-5 MT. C103. Mr. Hendricks

**4. Elementary General Chemistry.**—Course 3 continued. Chemistry of carbon and the metals. Introduction to qualitative analysis. (3). L 11 daily. C102. Quiz 1 MTWTh. C102. Lab 2-5 MT. C103. Mr. Pagel

**19. Principles of Analytical Chemistry.**—Laboratory work devoted to qualitative analysis. Prereq 2, 4, or 12. L 11 daily. C209. Lab 1-5 MWF. C108. (4). Lab 1-5 MTWF. C108. (5). Mr. Brown

**31. Elementary Organic Chemistry.**—Prereq 2, 4, or 12. (4). L 8 daily. C208. Lab 1-5 TTh. C217. Mr. Brown

**217. Elementary Physical Chemistry.**—Prereq 220, 1 yr of college physics, and 1 sem of college math. (4). L 8 daily. C102. Lab 1-5 TTh. C11. Mr. Hendricks

**218. Physical Chemical Measurements.**—Prereq 217. (2). Lab arr. C11. Mr. Washburn

**223. Special Methods of Analysis.**—Prereq 220. (2). Lab arr. C309. Mr. Brown, Mr. Pagel

**233. General Organic Chemistry.**—Prereq 31. (5). L 11 daily. C208. Lab 1-5 MTWF. C316. Mr. Hamilton

**239. Organic Preparations.**—For students who wish additional laboratory work in organic chemistry. Prereq 233. (1-5). Lab arr. Mr. Hamilton

**252. Physical Chemistry.**—Prereq 217, 6 hrs calculus, or permission. (3). L 10 daily. C209. Mr. Washburn

**318. Advanced Physical Chemical Measurements.**—A continuation of standard physico-chemical methods as given in Course 218. Prereq 218. (2-3). Lab arr. Mr. Washburn

**337. Seminar on Types of Organic Reactions.**—Methods of linking carbon to carbon, carbon to nitrogen, etc. Prereq 234. (2). L 9 daily. C209. Mr. Hamilton

**343. Advanced Organic Preparations.**—Prereq 234. (1-4). Lab 6-24 hrs arr. Mr. Hamilton

**354A. The Phase Rule and Its Applications.**—Prereq 251 and 252 or parallel with 252 by permission. (2). L 11 MTWTh. C101. Mr. Washburn

**384. Research in Organic Chemistry.**—(1-9). Arr. Mr. Hamilton



386. Research in Analytical and Physical Chemistry.—(1-9). Arr. Mr. Brown  
 387. Research in Analytical and Inorganic Chemistry.—(1-9). Arr. Mr. Pagel  
 394. Research in Physical Chemistry.—(1-9). Arr. Mr. Hendricks  
 396. Research in Physical Chemistry.—(1-9). Arr. Mr. Washburn

## THE CLASSICS

5. Cicero and Ovid.—Half session review of grammatical principles. Easy prose selections. Prereq 2 yrs of high school Latin or Course 2. (3). 10 daily. And 212.  
 Mr. Reinmuth  
 6. Cicero and Ovid.—Course 5 continued. More advanced readings from Cicero's orations and Ovid. (3). 9 daily. And 212.  
 Mr. Reinmuth  
 8. Vergil.—Readings from the Aeneid, with a study of Greek and Roman mythology. Prereq 3 yrs of high school Latin or Course 7. (3). 8 daily. And 212. Mr. Forbes  
 17. Latin Composition.—Review of forms and syntax of high school Latin and writing of fairly simple Latin. Should be followed by Course 18. Prereq 2 yrs of high school Latin. First four weeks. (2). 11-12:20 daily. And 214. Mr. Fuchs  
 18. Latin Composition.—Course 17 continued. These two courses should be taken together. Second four weeks. (2). 11-12:20 daily. And 214. Mr. Fuchs  
 101. Cicero and Catullus.—Reading of the *De Senectute* or *De Amicitia*, and selections from Catullus. Prereq 4 yrs of high school Latin or Course 8. (3). 9 daily. And 214. Mr. Forbes  
 245. Petronius and Apuleius.—Study of the development of the novel, and of colloquial Latin. Prereq 108. (3). 11 daily. And 212. Mr. Forbes  
 247. Caesar.—Reading of the *Civil War*. Prereq 108. (3). 10 daily. And 214.  
 Mr. Oldfather  
 301. Seminar in Latin Literature.—(Arr). Time arr. And 213A. Mr. Reinmuth  
 305. Seminar in Ancient History (History 305).—(Arr). 1-3 MW. And 213A.  
 Mr. Oldfather  
 309. Thesis Course in Latin.—(Arr). Mr. Forbes, Mr. Reinmuth  
 327. Thesis Course in Greek.—(Arr). Mr. Forbes, Mr. Reinmuth

## COMMERCIAL ARTS

Credit for work in this department may apply toward the degrees of Bachelor of Science in Education and Bachelor of Science in Business Administration.

A daily instruction period is required for each typewriting course of either the long or short session.

Typewriting practice may be arranged with the instructor. One hour practice daily is required for 2 hours credit, long session. Two hours weekly practice, 1 hour credit, long session.

25. **Elementary Typewriting.**—Instruction directed toward mastery of the keyboard and the technique of touch typewriting. Development of skill in the manipulation of the principal operative parts of the typewriter. (1 or 2). Sec. I, 8 daily; Sec. II, 11 daily. Sec. III, 2 daily. TC118. Miss Schwenker, Miss Halbersleben

26. **Intermediate Typewriting.**—Instruction and practice directed toward improving manipulative skill, and increasing writing rate and accuracy. Study of business letter writing, tabulating, and care of the typewriter. Prereq 25. (1 or 2). 10 daily. TC118. Miss Schwenker

27. **Advanced Typewriting.**—Problems and practice in advanced letter and manuscript writing, direct dictation, tabulating, typing from rough draft, stencil cutting, and mimeographing. Attainment of a commercially valuable rate of typewritten production. Prereq 26. (2). 9 daily. TC100. Miss Schwenker

124. **Secretarial Typewriting.**—Study of modern secretarial and office practice in representative lines of business. Development of skill through handling problems of business correspondence, typewritten records, and office procedures. Prereq 27. (1). 1 daily. TC100. Miss Goering

125a. **Practicum.**—Actual office work, including dictation, typewriting, filing, and other secretarial duties. Open only by appointment. (1 or 2). Miss Hill

**126. Elementary Shorthand Theory.**—A beginning study of Gregg shorthand through the use of organized and connected shorthand material for reading and writing practice. Attainment of the knowledge and skills necessary to correct shorthand writing, with emphasis on the three thousand to five thousand most commonly used words. (5). 8-10 daily. And228. Miss Goering

**127. Applied Shorthand Theory.**—Application of shorthand theory in the building of an adequate business vocabulary. Development of correct and rapid shorthand writing and reading habits. Instruction in the technique and practice of making typewritten transcripts from shorthand. Prereq 126. (3). 8 daily. TC206. Miss Beers

**128. Advanced Shorthand.**—Rapid dictation and transcription of business letters, general and legal materials, and articles from current literature. Emphasis on commercially satisfactory quality and quantity of stenographic productivity. Prereq 127. (2). 10 daily. TC206. Miss Goering

**129. Secretarial Training.**—Study of business ethics; development of executive ability and resourcefulness through problems selected from modern business. Definite training in secretarial duties, responsibilities, and procedures. Technical business dictation and transcription. Prereq 128. (3). 9 daily. TC206. Miss Beers

#### DENTISTRY

**107, 108, 109, and 110. Clinical Dentistry and Practice.**—Various operations performed in the clinic. Practice course only. No lectures. Infirmary. This course is being given to satisfy requirement in clinical points. Given only upon sufficient demand. Mr. Sturdevant, Mr. Schmidt, Mr. Griess

#### ECONOMICS

**3. Introduction to Economics.**—Freshman course. A preliminary survey of the subject. The structure and functions of the various economic institutions with an account of their development. (3). 8 daily. SS303. Mr. Spangler

**11. Principles of Economics.**—A study of the forces governing modern economic society. Laws of production, consumption, value, wages, interest, profits, and rent; principles of money, banking, credit, prices, international trade and finance. Sophomores and above. (3). 8 daily. SS305. Mr. Arndt

**12. Principles of Economics.**—Course 11 continued. Application of economic laws to human welfare. Problems of population and inequality, industry and trade, money and banking, labor and unemployment, taxation and public debts, economic planning and socialism. Prereq 11. (3). 8 daily. SS302. Mr. McNeill

**22. Economic History of the United States.**—Westward expansion; land policy and our agricultural development; farmers' movements; evolution of the transportation system; rise of corporations and trusts; the labor problem; American shipping and commerce. (3). 10 daily. SS301. Mr. Swayzee

**103. Money, Credit, and Prices.**—The functions of money; monetary standards; bank credit and money; monetary history of the United States; money and the level of prices. Prereq 12. (3). 11 daily. SS301. Mr. Arndt

Twelve hours in the social sciences, including Economics 11 and 12 or equivalent, are prerequisite to courses in the 200 series.

**203. Current Monetary Problems.**—The controversy over the gold standard; the silver question; theories of inflation and price level control; recent monetary legislation in the United States. Prereq 103. (3). 9 daily. SS301. Mr. Arndt

**214. Social Insurance.**—European experience with social insurance; American plans for workmen's compensation, old-age pensions, and unemployment insurance with emphasis on the adaptability of the insurance device to protection against these risks. (3). 10 daily. SS303. Mr. Spangler

**221. International Trade.**—Gains from international trade; factors influencing the course of international trade; nature and mechanism of trade between gold-standard countries; effects of dislocated exchanges upon international trade. (3). 8 daily. SS301. Mr. Fullbrook

266. **Trust Problems.**—American and foreign experience with combinations; various types of trusts; federal and state regulation; commission control; court decisions; economic bases of combinations. (3). 10 daily. SS305. Mr. Bullock

281. **Labor Problems.**—History of the labor movement in Europe and America; theory of wages; methods of remuneration; migration; rise and fall of wages; labor legislation. (3). 7 daily. SS305. Mr. Swayzee

291. **Advanced Economics.**—Review of economic theory; scope and method of economic science; economic processes; controversial questions; relation of economics to private and public business. (3). 11 daily. SS303. Mr. McNeill

301. **General Seminar in Economics.**—(1 to 3). Time arr. Staff

303. **Seminar in Money and Banking.**—(1 to 3). Time arr. Mr. Arndt

325. **Seminar in Railroads and Public Utilities.**—(1 to 3). Time arr. Mr. McNeill

366. **Seminar in Trust Problems.**—(1 to 3). Time arr. Mr. Bullock

395. **Thesis Course in Economics.**—(Arr). Staff

#### EDUCATION

##### GRADUATE WORK

**PREREQUISITES.**—In addition to the specific requirements of each course, a person must meet the following general prerequisites in order to be eligible to pursue courses in these departments.

The general prerequisite for all courses in the 200 series consists of not fewer than 12 hours of undergraduate credit in education, including 3 hours of educational psychology and 2 hours of educational methods. To pursue a course in the 300 series, the student must present not fewer than 18 hours of credit in education exclusive of Education 30 and inclusive of 3 hours of educational psychology and 2 hours of educational methods.

#### EDUCATIONAL PSYCHOLOGY AND MEASUREMENTS

63. **Educational Psychology.**—Introductory course. Nature and bases of the learning process; operation of laws of learning, economical methods of learning and teaching; transfer of training; influence of conditions upon efficiency; nature, measurements, and significance of individual differences. (3). 9 daily. SS212. Mr. Baller

Course 63 is open to sophomores and to Teachers College second semester freshmen who are candidates for a two-year certificate.

For general prerequisites, see above.

263. **Advanced Educational Psychology.**—Origin, development, and general characteristics of instinctive activity; emotions and mental adjustments; individual differences; mental ability; fatigue. (3). 9 daily. SS107a. Mr. Carter

267. **Psychology of the Elementary School Subjects.**—The psychology of learning applied to reading, arithmetic, writing, spelling, social studies, and elementary science. (2 or 3). 10 daily. SS107a. Mr. Carter

283. **Mental and Educational Measurements.**—A study of the group tests of ability and achievement, together with laboratory tests and procedures. The technique of giving, scoring, and interpreting these tests. (3). 8 daily. SS218. Mr. Crago

285. **Statistical Methods.**—Organization, comparison, and interpretation of measures of central tendency and variability; fundamental principles of correlation; area relationships under the normal curve; reliability of measures. (3). 7 daily. M307. Mr. Congdon

287. **Problems of Test Construction.**—Factors involved in the construction of tests; formal and informal, old and new types. The course will include an intensive examination of many types of examinations and actual practice in test construction. (2). 9 daily. SS218. Mr. Crago

289. **Educational and Vocational Guidance.**—Occupational efficiency as related to intelligence, interests, aptitudes, and specific abilities; occupational analysis and the use of vocational tests for the discovery of native endowment. (2 or 3). 10 daily. TC323. Mr. Corey

**364. Psychology of Learning.**—An intensive study of theories of learning and of experimental investigations in the field of animal and human learning. (3). 7 daily. TC303. Mr. Crago

**367. Seminar in Educational Psychology and Measurements.**—This will include reviews of recent literature in the various fields of this department and intensive studies of special investigations and problems. Open to those majoring or minoring in the department. (1 or 2). 7-9 p. m. T. FM301. Mr. Corey

**368. Research.**—Primarily for those working toward the M.A. degree, and also intended for those students who wish to investigate some minor problem and become familiarized thereby with research technique. (Arr). Time arr. Mr. Corey

**369. Thesis Writing in Educational Psychology and Measurements.**—(Arr). Time arr. Mr. Corey

**390. The Gifted Child.**—The psychological and educational treatment of gifted children. (2 or 3). 11 daily. TC303. Mr. Carter

#### ELEMENTARY EDUCATION

A laboratory school will be in session each morning at the Bancroft building (one block from Teachers College).

Nursery School from 9 to 11—open to students registered in Education 104.

Grades I, III, IV, VI, and Rural School from 9 to 11—open to students registered in Education 8.

Reading Clinic (remedial), from 10 to 11—open to students registered in Education 105.

Speech correction clinic at 9—open to students registered in Education 101.

Graduate students cordially invited. Secure visiting cards at Department office (TC312).

I. Kindergarten-Primary Division (Nursery, Kindergarten, Grades I, II, III).

**107. Social Studies.**—Discussion and evaluation of recent investigations in curriculum content of social studies. Experiences and activities preparing for the social sciences. Excursions, readings, records, and observations. Specific problems assigned. Prereq 4a or 12b. (3). 8 daily. And229. Miss Rainey, Miss Baker

II. Intermediate Grades Division (Grades IV, V, VI).

**12a. Teaching of the Elementary School Subjects.**—Emphasis on reading, language, spelling, handwriting, arithmetic. Determination of aims, application of psychological principles involved, selection and evaluation of subject-matter, observation of classroom procedures, and measurement of achievement. (3). Sec. I, 10 daily. And215. Mr. Wiltse. Sec. II, 11 daily. And215. Miss Price

**12b. Teaching of the Elementary School Subjects.**—Course 12a continued. Emphasis on the social studies, health, and character education. (3). 9 daily. SS107b. Mr. Stoneman

**17. Children's Literature.**—A study of standard literature for children in the intermediate and grammar grades. How to develop literary appreciation and good taste in reading. (3). 8 daily. And214. Miss Price

**107. Social Studies.**—Discussion and evaluation of recent investigations in curriculum content of social studies. Experiences and activities preparing for the social sciences. Excursions, readings, records, and observations. Specific problems assigned. Prereq 4a or 12b. (3). 8 daily. And217. Miss Kelty

**112s. Nebraska Elementary Course of Study and School Management.**—Interpretation and application of Nebraska State Course of Study. Daily programs, control, rural school management. Not open to students who have had Education 112. (3). 7 daily. And127. Mr. Weber

**113. Teaching the Language Arts.**—Analysis of skills involved, learning activities, materials, and teaching procedures. Diagnostic and remedial work. Prereq 12a and 23. (3). 9 daily. And217. Miss Price

Department	7 A. M.	8 A. M.	9 A. M.	
Botany		1	113	
Bus. Org. & Management	21, 171	161, 225	3, 147, 172, 290	
Chemistry		31, 217	1, 3, 337	
Classics		8	6, 101	
Commercial Arts		25, 126, 127	27, 126, 129	
Economics	281	3, 11, 12, 221	203	2
Educ. Psy. & Measurements	285, 364	283	63, 263, 287	
Elementary Education	112s	107, 17, 107	12b, 113	
Hist. & Prin. of Educ.		338		
School Administration	397	152, 358, 399	254, 256, 353	15
Secondary Education		141, 243, 245	149	
Special Methods	122	321	321, 321	
English		1, 21, 25, 212, 232, 257s	1, 226, 227, 294	
Geography	61, 61a, 62, 62a	167, 272	168	
German		1, 1-2, 212	1, 1-2, 3	
History		6, 9, 258s	7, 212, 218	
Journalism			71	
Mathematics	4, 16	4, 12, 13, 201	7, 11, 120	
Music				
Philosophy & Psychology		30, 185		
Physical Education		155II	155II	
Physics		307s	2, 12, 211	
Physiology				
Political Science		2, 105, 222	116	
Practical Arts			43	
Romance Languages		1, 1-2, 201, 51, 51-52	1, 1-2, 2, 451, 51-52, 52, 53, 54	1-2
Sociology	142	9, 250	10, 242	
Speech & Dramatic Art		113, 116s	101	
Zoology				

## SHORT SESSION—

Commercial Arts		25	27	
Elementary Education	6, 112s	4a, 6, 107, 17, 107	8, 101, 12b, 113	
Hist. & Prin. of Educ.		37s, 338	30	
School Administration		152, 358	254, 256, 256a	
Secondary Education	246		149	
Special Methods	122	121	121	
English		21, 256	1	
Fine Arts		1c-4c; 105c-106c, 1h-4h; 105h-108h, 1a-4a; 105a-108a, 19, 30	1c-4c; 105c-106c, 1h-4h; 105h-108h, 19, 21b	105f-106f, 1c-4c; 1h-4h; 1a-4a; 105a-108a
Geography	61, 61a, 62, 62a	167	168	
History		6, 9	7	
H. Ec. & Voc. Education		3a, 191s, 217	251, 3a, 87, 218s	
Mathematics		12, 13	11	
Music		21a, 17s	77, 171, 181	
Philosophy & Psychology		131s, 185	223	
Physical Education	77, 15s, 81s	155II, 77, 81s	155II, 3s	
Physiology & Pub. Health				
Practical Arts			43	
Speech & Dramatic Art	109			
Zoology				

## FOUR WEEKS SESSION

Music				
Vocational Education	205s, 205s	205s, 205s	208s, 331	208s

# CLASS SCHEDULE

0 A. M.	11 A. M.	1 P. M.	2 P. M.	3 P. M.	4 P. M.	5 P. M.
4, 141	258	labs.	labs.	labs.	labs.	.....
252	2, 4, 19, 233, 354a	labs.	labs.	labs.	labs.	.....
5, 247	17, 18, 245	305	305	.....	.....	.....
26, 128	25	124	25	.....	.....	.....
214, 266	103, 291	.....	.....	.....	.....	.....
267, 289	390	.....	.....	.....	.....	.....
12a, 314	12a, 315	.....	.....	.....	.....	.....
31, 138	337	.....	.....	.....	.....	.....
1, 352, 354	52, 351	257s	.....	.....	.....	.....
346	141, 248	.....	.....	.....	.....	.....
321	121, 121	.....	.....	.....	.....	.....
258s, 314	2, 21, 22, 222, 259s	.....	.....	.....	.....	.....
286	131s, 164	163	labs.	labs.	labs.	labs.
2, 105	2, 218	1a	1a	.....	.....	.....
3, 235, 254	10, 219s, 250	305, 344	305, 344	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
15, 213	40, 304s	.....	.....	.....	.....	.....
21b, 71	72	.....	.....	.....	.....	.....
133s, 70	20, 180	90	90	.....	.....	.....
.....	.....	.....	155II	155II	.....	.....
.....	106	labs.	labs.	labs.	labs.	.....
.....	108	1	2	labs.	labs.	.....
106, 304	1, 108, 304	.....	.....	.....	.....	.....
41, 42	53, 54	labs.	labs.	labs.	labs.	.....
2, 3, 209,	225	.....	.....	.....	.....	.....
51-52, 52	.....	.....	.....	.....	.....	.....
327	327	.....	.....	.....	.....	.....
1, 101	.....	.....	.....	.....	.....	.....
141	1, 112	2	labs.	labs.	.....	.....

## CLASS SCHEDULE

26	.....	.....	25	.....	.....	.....
3, 105, 12a	4b, 104, 12a	19	.....	.....	.....	.....
31, 138	337	.....	.....	.....	.....	.....
151	52	257s	.....	.....	.....	.....
.....	121, 121	.....	121	.....	.....	.....
.....	2, 21, 22	.....	.....	.....	.....	.....
105c-106c,	1c-4c; 105c-106c,	3k-4k, 19, 1-4,	3k-4k, 1-4,	3k-4k, 1-4,	3k-4k	.....
105h-108h,	1h-4h; 105h-108h,	1g-4g; 105g-108g	1g-4g; 105g-108g	1g-4g; 105g-108g	.....	.....
1f-2f, 21b	1f-2f, 105f-106f	.....	.....	.....	.....	.....
.....	164	163	labs.	labs.	labs.	.....
3	10, 250	.....	.....	.....	.....	.....
261, 21	50s, 21, 311	3b	3b	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
21b	.....	.....	.....	.....	.....	.....
70	161	.....	.....	.....	.....	.....
155II	142, 96	.....	155II	155II	9s, 86s	.....
112	108, 150, 160, 170	1, 140	2	labs.	labs.	.....
41, 42	53, 54	labs.	labs.	labs.	labs.	.....
.....	.....	.....	.....	.....	.....	.....
141	.....	.....	.....	.....	.....	.....

## N—CLASS SCHEDULE

331, 206s	122 206s	205, 253s	221s, 205, 253s	221s	221s	221s
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For general prerequisites, see page 30.

**314. Supervision of the Elementary School.**—Designed to meet the needs of superintendents and supervisors who direct the work of the elementary schools. The following subjects will be considered: Social studies, science, health, arts. (3). 10 daily. And126. Miss Kelty

**315. The Elementary School Curriculum.**—Factors determining the selection of subject-matter. The technique of curriculum making. (3). 11 daily. And217. Miss Kelty

#### HISTORY AND PRINCIPLES OF EDUCATION

Education 31 is an elementary course and may be taken by those who have had no work in education. Those taking Education 138 must have six hours in education.

**31. Foundations of Modern Education.**—A study of the historical development of the free public school. (3). 10 daily. SS205. Mr. Baller

**138. Bases of Method.**—Principles involved in determining method of instruction; relation of method to other factors in the modern school. (3). 10 daily. And127. Mr. Werner

For general prerequisites, see page 30.

**337. Education and Democracy.**—Fundamental doctrines and principles underlying education in a democracy; psychological and sociological bases, relation of education to progress, the state and education. (3). 11 daily. And126. Mr. Werner

**338. Education and Democracy.**—The development of an understanding and appreciation of the significant aspects of a liberal and cultural education in a modern democratic society. (3). 8 daily. And126. Mr. Werner

#### SCHOOL ADMINISTRATION

Primary emphasis in all the courses in the Department of School Administration is placed upon the principles, techniques, and procedures essential to the administration of smaller schools. Likewise, research, school surveys, and school visitation conducted by the department are concerned principally with such schools.

A requirement of 10 hours of education is a prerequisite for all undergraduate courses except Course 52.

**52. Every Teacher's Problems.**—Securing a position; teacher in relation to administrative and supervisory officers, other teachers, pupils, and parents; instructional organization; use of failure, retardation, and acceleration; other adjustments of pupils; record keeping; program making. (3). 11 daily. TC214. Mr. Burkhardt

**151. Personnel Problems of the Teaching Staff.**—Preparation, appointment, assignment, and rating and retirement of teachers; professional activities; causes of failure and teacher ethics. (3). 10 daily. SS102. Mr. Jackman

**152. Fundamentals in School Administration.**—Principles and policies underlying the administration of small school systems; organization, types, aims, and duties of the public schools; functions of the board of education, superintendent, teachers, etc. (3). 8 daily. TC303. Mr. Matzen

For general prerequisites, see page 30.

Course 151 or 152 is prerequisite to 254; Course 152 to 256, 257s; Course 353 to 358; one of the following—Courses 351, 352, 353, or 354 to 397.

**254. Management of Small School Systems.**—Before school opens; organization, attendance, and classification; boards of education; training, tenure, and supervision of teachers; schedules; programs, teaching load, graduation and closing activities; possible economies. (3). 9 daily. And113. Mr. Platt

**256. Public Relations.**—Principles and policies underlying public relations. Development of community understanding of education through school news, exhibits, demonstrations, bulletins, reports, annuals, etc. Community organizations and public education; place of the school staff in public relations. (3). 9 daily. SS205. Mr. Bowers

**257s. School Law.**—The evolution, principles, and practice of school law in relation to local, state, and national units of organization. Emphasis upon school law of Nebraska. (3). 1 daily. TC201. Mr. Bimson

**351. The School and Individual Needs.**—Policies for adjusting the school to the pupil; using the school's special services—attendance, health, guidance—and records and reports, to promote adjustment; proposed types of internal school organization and their relation to the meeting of individual needs. (3 or 4). 11 daily. TC320.

Mr. Broady, Mr. Matzen

**352. School Administration and Educational Policy.**—Origin, development, and appraisal of school policies in smaller school systems. (2 or 3). 10 daily. TC320.

Mr. Henzlik, Mr. Morton

**353. Business Management of Schools.**—Boards of education; superintendents' duties; planning and financing; building needs, building utilization; records, supplies, equipment; accounting and budgetary procedure; depreciation, insurance, and bond issues. Possible economies in school administration. (3). 9 daily. TC320. Mr. Linn

**354. Practicum in School Administration and Supervision.**—Rating and supervision of teachers; principles and procedures in the development of school policies; selection and promotion of teachers; courses of study and professional ethics. (3). 10 daily. And112.

Mr. Novotny

**358. School Surveys, Buildings, and Equipment.**—Participation in school and community surveys; investigation of building needs, selection and utilization of school sites, old buildings, and service systems; adaptation of financial and educational program to specific community and individual needs. (3). 8 daily. SS202.

Mr. Linn

**392. Research.**—Investigation and analysis of current problems in school administration and supervision. Primarily for those working toward the degrees of Master of Arts and Doctor of Philosophy. (1 to 9). Arr.

Mr. Henzlik, Mr. Broady

**397. Survey of Administrative Research.**—Intended primarily for students of education who are candidates for the degree of Doctor of Philosophy. Readings, discussions, and an analysis of educational problems and research. (2). 7 daily. TC126.

Mr. Morton, Mr. Platt

**399. Thesis Writing in School Administration.**—Sec. I, (2). 8 daily. TC323. Sec. II, (1 to 9). Arr.

Mr. Henzlik, Mr. Broady, Mr. Matzen

#### SECONDARY EDUCATION

**141. Modern Methods in High School Teaching.**—Deals with the selection of subject-matter and its organization into lessons; methods of presentation; observation of classes at work. Prereq 31 and 63. (3). Sec. I, 8 daily; Sec. II, 11 daily. TC21.

Mr. Lantz

**149. Extra-Curricular Activities.**—Organization and supervision of clubs and associations; the place of fine arts in the life of the school; special programs, assemblies, pageants, school journalism; boy scouts; athletics; debate, and such other activities as may be of interest and use to a class. Prereq 8 hrs of Educ. (3). 9 daily. TC21.

Mr. Lantz

For general prerequisites, see page 30.

**243. Internal Administration of the High School.**—Problems of the principal; faculty organization; pupil organization and participation in school government; social life of the school; community relationships. Prereq 31. (3). 8 daily. SS107b. Mr. Mardis

**245 (Com. Arts 131). Commercial Curriculum of the High School.**—Consideration of fundamental issues, principles, and procedures basic to commercial curricula, and the development of curricula to meet a wide variety of pupil needs. (3). 8 daily. TC1.

Miss Hill

**248. Curriculum of the Secondary School.**—Brief review of the principles underlying the development of secondary school curricula; examination of existing curricula with attempt at revision to meet the needs of a democratic society. Place of extra-school subjects in the regular curriculum. Prereq 31, 63, and 141 or 142. (3). 11 daily. And114.

Mr. Rosenlof

**346. The Supervision of Secondary Education.**—A consideration of the meaning of supervision and application of supervisory activities to the work of high school teachers, with particular emphasis upon the individual subjects usually taught in high school. Prereq 243 or permission. (3). 10 daily. TC303.

Mr. Morton



348. **Thesis Writing in Secondary Education.**—(1 to 9). Arr. Mr. Rosenlof

349. **Seminar in Secondary Education.**—Review of recent literature and reports on research in secondary education, including a critical examination of thesis problems and the application of methods of research to the same. Required of candidates for advanced degrees. (1 to 3). Arr. Mr. Rosenlof, Mr. Morton, Mr. Congdon, Mr. Lantz

#### IMPROVEMENT OF INSTRUCTION IN SECONDARY EDUCATION

Education 321 courses aim to serve in a definite manner those graduate students who are interested in improving their work as teachers. The work consists of a survey and critical evaluation of current literature, researches, and experiments. Furthermore, opportunity is given students to carry on experimentation and research under direction.

321. **Improvement of Instruction in Commercial Education.**—(1 to 3). 10 daily. TC214. Miss Hill

321. **Improvement of Instruction in English.**—(1 to 3). 9 daily. TC214. Miss Clark

321. **Improvement of Instruction in Mathematics.**—(1 to 3). 8 daily. M307. Mr. Congdon

✓ 321. **Improvement of Instruction in Natural Sciences.**—(1 to 3). 9 daily. TC323. Mr. Wise

#### COURSES IN SPECIAL METHODS

Prerequisite: Eight hours of education including Course 141, or 142 when the major is "Science" or is a science subject, and not fewer than 12 hours academic credit completed or being completed in the subject, or in authorized groupings of subjects to be taught.

121. **Physical Science.**—Based upon experiments suitable for a year's course in high school. Prereq 12 hrs Physical Science, or teaching experience in high school sciences, or permission. (3). 11 daily. TC323. Mr. Wise

121. **Shorthand and Bookkeeping.**—Study of materials and methods of presentation. Problems and techniques of teaching shorthand transcription. Comparative study of different methods of approach in bookkeeping. Prereq Bus Org 3 and Com Arts 127. (3). 11 daily. TC206. Miss Beers

#### PROFESSIONALIZED COURSE

122. **Nature Study.**—For teachers of grades I to VI only. Subject-matter and methods of teaching natural science lessons. (3). 7 daily. Mr. Wise

#### TEACHERS COLLEGE HIGH SCHOOL

123. **Student Teaching.**—Consists of observation, management, and actual teaching of a class. This course is required of all students who are candidates for the University Teachers Certificate and is done under the supervision of the Director of Teacher Training and the supervisor of the particular subject taught. (3). Mr. Morton and Staff

This course is open to seniors who have credit for at least ten hours in education, three of which must be in Education 141 (science students, Education 142), and two in Education 121. (By permission, Education 121 may accompany Education 123.)

All assignments to student teaching are made by the Director of Teacher Training and all students must arrange with him before the summer session registration. Student teaching will be available in the following subjects: Shorthand 1, Typewriting 1, Bookkeeping 1, English 5, English 8, English 8, Algebra 1, Algebra 2, Algebra 3, Geometry 2, Modern History 2, U. S. History 1, Constitutional Government, Physiology, Chemistry 1, and Biology 2.

#### ENGINEERING, CIVIL

The following courses in Civil Engineering will be offered at the Summer Surveying Camp from June 6 to July 18, and then continued on the campus from July 20 to August 7. For complete information, see the University of Nebraska special bulletin announcing the Summer Surveying Camp.

111. **Hydraulics.**—Elementary hydraulics. Flow of liquids through open and through closed conduits; hydraulic turbines and pumps; application problems. Prereq 103s, AM 14, and Math 4. (3). Mr. Mickey

116. **Stresses in Framed Structures.**—Computation of stresses in girders, roof trusses, and bridge trusses, by algebraic and graphic methods. Influence line methods, uses of moment tables, and equivalent uniform loadings. Prereq AM 214 or 215 and Math. 4 or 16. (4). Mr. Mickey

204s. **Astronomical Surveying.**—Advanced astronomical observations and computations for azimuth, latitude, longitude, and time. Prereq 103s and Math 4. (3). Staff

215. **Geodetic Surveying.**—Base line measurements and triangulation; adjustments and computations; precise and trigonometric leveling; astronomical observations for azimuth, latitude, longitude, and time; geodetic mapping. Prereq 103s and Math 4. (2). Mr. Mickey

242. **Water Power Engineering.**—General studies of water rights and appropriations; locations, design, construction, operation, and maintenance of water power developments; runoff and stream flow characteristics; storage, head, and power available. Prereq 225, 227, and 241. (3). Mr. Mickey

311. **Advanced Hydraulics.**—Advanced studies in theoretical and applied hydraulics, involving applications of hydrostatics, hydrokinetics, and hydrodynamics to problems of engineering design and construction. Prereq 111. (3). Mr. Mickey

#### ENGLISH

1. **English Composition.**—Freshman English. Instruction and practice in elementary composition. Themes, conferences. (3). Sec. I, 8 daily, And117; Sec. II, 9 daily, And117. Mr. Van den Bark

2. **English Composition.**—Freshman English. Course 1 continued. (3). 11 daily. And127. Miss Strong

21. **English Literature.**—Introductory course. Designed to develop a sense of values and an appreciation of the best in literature. Literary elements and principles, with assisted study of modern literature. Prereq 1 and 2, or 3 and 4. (3). Sec. I, 8 daily, And127, Miss Strong; Sec. II, 11 daily, And112, Mr. Stepanek

22. **English Literature.**—Course 21 continued. Prereq 1 and 2, or 3 and 4. (3). 11 daily. And117. Mr. Frantz

25. **Survey of English Literature.**—From the Old English period to the twentieth century, with especial study of important authors and types. Prereq 1 and 2, or 3 and 4. (3). 8 daily. And110. Mr. Frantz

Twelve hours of English are prerequisite to the following courses in the 200 series.

212. **Literary Composition.**—Instruction and practice in the various types of writing. The student will be expected to practice composition in that form best suited to his ability and needs. Conferences. (2). 8 MTWTh. And114. Mr. Wimberly

222. **American Literature.**—The development of literature in America and its relation to European and American life and thought. (2). 11 MTWTh. And114. Mr. Wimberly

226. **Seventeenth-Century Literature.**—From Jonson to Dryden. (3). 9 daily. And114. Mr. Wimberly

227. **Restoration and Eighteenth-Century Literature.**—Poetry and prose from 1660 to 1800, excluding the drama and novel. (3). 9 MTWTh. And110. Mr. Frantz

232. **World Literature.**—An introduction to Comparative Literature. A study of representative Continental masterpieces, exclusive of the novel. (3). 8 daily. And112. Mr. Stepanek

257s. **Eighteenth-Century Novel.**—The origins of the novel; the sentimental and classical novel up to Jane Austen. (3). 8 MTWTh. And113. Mr. Smith

258s. **Nineteenth-Century Novel.**—The romantic and Victorian novel from Scott to Eliot. (3). 10 MTWTh. And113. Mr. Smith

259s. **Modern Novel.**—The novel in the late nineteenth and early twentieth centuries, from Meredith to the present. (3). 11 MTThF. And113. Mr. Smith

294. **Continental Novel.**—A study in comparative prose fiction. Reading of representative European novels in relation to the development of the English novel. (2 or 3). 9 MTWTh. And112. Mr. Stepanek

314. Chaucer—Literary and linguistic studies. Prereq an undergraduate major. (3).  
 10 daily. And117. Miss Strong  
 335. Thesis Course.—(6 to 10). Staff

## GEOGRAPHY

The Summer Session courses in Geography are planned to serve two main objectives, namely, (1) to furnish opportunity for those who desire training in Geography for its cultural value and (2) to meet the needs of those who are to teach in the schools of the state. Emphasis is placed on the academic aspects of the subject, particularly as a basic science for social studies, but considerable attention is also given to the problems of teaching its various phases in the grades and in the high schools. A sequence of courses is offered from year to year which makes it possible for those who are engaged during the regular school year to accomplish much of the preparation for their professional work in this field during the summer sessions.

The complete equipment of the department is available. The reading room for graduate study in geography is open from 8 to 6 daily. The laboratories are well equipped with specimens, maps, globes, and illustrative materials.

EXCURSIONS AND FIELD STUDIES.—The Department of Geography will sponsor a number of excursions to places of interest in Lincoln and adjacent territory. These places will include Antelope Park, the Caves, glacial deposits near Pleasant Dale, the Blue River Valley, the Lower Platte Valley, and prominent industrial plants of Lincoln. Attendance upon these excursions is open to all students in the Summer Session.

CONFERENCES.—Round table conferences dealing with the general problems of teaching geography will be held weekly. Teachers and superintendents should inform the members of the staff regarding the phases which they would like to have considered in order that recognition of such preference may be made in planning the programs. These conferences are open to all.

GRADUATE STUDIES.—A sequence of fundamental and optional courses will be offered so as to give opportunity for well qualified graduate students to finish most of the requirements for the Master of Arts degree during summer sessions.

61. Principles of Geography.—Introductory course in college geography with emphasis upon the relationships between human activities and the natural environment. Considerable attention given the professional treatment of subject material. Especially helpful to teachers in the rural, elementary, and junior high schools. Not open to those who have credit in Geography 71. This course may be substituted for Course 71 by summer students in Commercial Arts. (3). 7 MTThF. Laboratory 3 hrs per week and two Saturdays in field work. 2-5 M, 2-5 W, or 3-6 F. FM105.

Mr. Carlson, Assistants

61a. Principles of Geography.—Same course as Geography 61 without laboratory work. (2). FM105.

Mr. Carlson, Assistants

61b. Principles of Geography.—Laboratory only. Open to those who have credit for Geography 61a or 71a. (1). FM105.

Mr. Carlson, Assistants

62. Regional Geography of the Continents.—The principles of geography applied to the interpretation of human activities. A survey study emphasizing the inter-relationships of physical conditions, natural resources, and industrial and cultural development. Laboratory work, 3 hrs per week and 2 Saturdays in the field. Open to all who have had Course 61 or 71 or equiv. (3). L 7 daily. FM102. Laboratory 2-5 T or 2-5 Th. FM6.

Miss Mitchell

62a. Regional Geography of the Continents.—Same course as Geography 62 without laboratory work. (2). FM102.

Miss Mitchell

62b. Regional Geography of the Continents.—Laboratory only. Open to those who have credit in Geography 62a. (1). FM6.

Miss Mitchell

131s. Conservation of Natural Resources.—A study of the necessity of conservation of the natural resources of the United States in the light of present conditions and on the basis of experiences in the older civilized countries. Considers the problems of the conservation of soil material and soil fertility, of forest, water, and the principal mineral resources. (2-3). 11 daily. FM102.

Mr. Van Royen

**163. Geography of Nebraska.**—A study of the soil regions, climate, resources, and industries of the state. This course is especially helpful for teachers in the rural schools and normal training teachers in high schools. Illustrated. (2). 1 MTThF. FM105.

Miss Mitchell

**164. Geography of North America.**—Deals with the natural regions of Canada and the United States. A study of industrial development in relation to climate and resources. Valuable in interpretation of American history. Not open to students who have credit in Course 72. Illustrated. (2 or 3). 11 daily. FM105.

Miss Mitchell

**167. Geography of Latin America.**—A survey of Mexico and the countries of Central and South America in relation to their natural resources and their cultural development. Emphasis on industry and commerce, and outlook for progress. (2 or 3). 8 daily. FM105.

Mr. Carlson

**168. Geography of Europe.**—Regional study of the European countries emphasizing relief, climate, resources, and industrial development. Special attention to the geographic phases of economic and political problems. Fundamental in interpretation of European history. Illustrated. (2 or 3). 9 daily. FM102.

Mr. Van Royen

Courses in the 200 series have a prerequisite of 12 hours of geography or 6 hours of geography and 6 hours in acceptable courses in closely related departments.

**272. Geography of the Agricultural Industries.**—World production and trade of the leading agricultural products as affected by geographical conditions. Emphasis upon the agriculture of the nations which are the chief competitors of the United States. (2 or 3). 8 MTThF. FM102.

Mr. Van Royen

**286. Geography of Modern Commerce.**—Geographic factors affecting the establishment and development of modern trade routes over air, land, and water. Unequal distribution of natural resources and differences in industrial and social development as basic factors in inter-regional and international trade. Geography in market analysis. (2 or 3). 10 MTThF. FM102.

Mr. Carlson

**380. General Seminar.**—An introduction to graduate study, methods of research, special fields of investigation. Required of all graduate majors. (1 or 2). Time Arr.

Mr. Van Royen

**384. Seminar in Regional Geography.**—(1-3). Conferences arr.

Mr. Carlson

**392. Research. Problems in Physiography.**

Mr. Van Royen

**394. Research. Problems in Regional Geography.**

Mr. Carlson

**398. Research. Problems in the Geography of Nebraska.**

Staff

#### GEOLOGY

**1. Elementary Geology.**—Dynamical. Lectures and collateral readings, examination and identification of about 200 common minerals and rocks. Helpful to those preparing for state examination in geology. (2 or 3). Class and lab arr.

Miss Webster

**21. Elementary Petrology.**—A study of the more common kinds of rocks. Prereq 1. Class 3 hrs; 12 hrs reading and lab. Consult instructor. (1 or 2). Time arr.

Miss Webster

**105. Elementary Paleontology.**—For teachers and others desiring a general knowledge of the common invertebrate fossils of Nebraska. Consult instructor. (1). Class and lab arr.

Miss Webster

**203. Advanced Geology.**—Collateral readings. Experimental, laboratory, and field work. Prereq 2, 15, 27, 250, or 107 and 108; Chem 2. Credit based on results. Arr.

Miss Webster

**217. Crystallography.**—Elementary study of crystallographic forms and measurements. Prereq 12 hrs of the following: Courses 15, 21, 27; Chem 2. L 3, lab 9. (1). Arr.

Miss Webster

**222. Petrology.**—A study of rocks and rock-forming minerals determined by physical properties. Prereq 15, 21, 27; Chem 1. L 3 or 6, lab 5 or 10. (1 or 2). Arr.

Miss Webster

#### GERMANIC LANGUAGES AND LITERATURES

**1. Beginning German.**—Careful and thorough study of the fundamentals of the language. Grammar and easy readings. (5). 8-10 daily. And202.

Mr. Alexis

1-2. **Beginning German.**—A thorough study of the grammatical principles of the language. Students registering for this course will also read the texts required in German 2, thus finishing a year's work in one summer. (9). 8-10 daily. And202.

1a. **Beginning German.**—This course is designed to give candidates for advanced degrees a reading knowledge of German. Open to graduate students only, without credit, but equivalent to a four-hour course. 1:30-3 daily. TC206. Mr. Alexis  
Mr. Fuchs

2. **Beginning German Continued.**—Grammar review and easy reading. Prereq 1 or equiv. (5). 10-12 daily. And228. Miss Steckelberg

3. **Second Year German.**—Reading of modern authors. Prereq 2 or equiv. (3). 9 daily. And201. Mr. Pfeiler, Miss Steckelberg

105. **Third Year German.**—An introductory course to the classics. Prereq 4 or equiv. (3). 10 daily. And201. Mr. Alexis

212. **Modern Novel.**—Representative authors such as Hauptmann, Thomas Mann, Wasserman, Ricarda Huch, Hermann Hesse, Stefan Zweig. (3). 8 daily. And201. Mr. Pfeiler

218. **German Literature and Philosophy.**—A study of the relationship between literature and contemporary thought from the eighteenth century to the present. (3). 11 daily. And201. Mr. Pfeiler

315. **Old and Middle High German.**—Braune *Althochdeutsche Grammatik* and *Lesebuch*; selections from the *Nibelungenlied*, *Walther von der Vogelweide*, *Wolfram von Eschenbach*, etc. (3). Arr. Mr. Alexis

320. **Seminar in German Literature.**—(3). Time arr. Mr. Pfeiler

#### HISTORY

3. **European History to 1700.**—A survey course. (3). 10 daily. SS202.

6. **Ancient History.**—The Roman Republic and Empire. (3). 8 daily. SS205.

7. **English History to 1714.**—A survey course. (3). 9 daily. SS208. Mr. Oldfather

9. **Survey of American History to 1829.**—An introductory course designed as a prerequisite to all other courses in American history. Sophomore standing. (3). 8 daily. SS201. Mr. Mullett

10. **Survey of American History After 1829.**—Course 9 continued. (3). 11 daily. SS205. Mr. Cochran

212. **Early National Period.**—Era of early national development of the United States, 1789-1823. Prereq jr standing and 12 hrs of the social sciences, incl 6 hrs of hist. (2 or 3). 9 MTThF. SS201. Mr. Sellers

218. **Europe After 1870.**—Prereq jr standing and 12 hrs of the social sciences, incl 6 hrs of hist. (2 or 3). 9MTThF. SS202. Mr. Cochran

219s. **Europe Since the World War.**—Prereq jr standing and 12 hrs of the social sciences, incl 6 hrs of hist. (2 or 3). 11 MTThF. SS202. Mr. Mullett

235. **British Overseas Empire to 1815.**—Prereq jr standing and 12 hrs of the social sciences, incl 6 hrs of hist. (3). 10 daily. SS208. Mr. Cochran

250. **Foreign Relations of the United States.**—Prereq jr standing and 12 hrs of the social sciences, incl 6 hrs of hist. (3). 11 daily. SS201. Mr. Sellers

254. **Recent American History.**—From the War with Spain to the present. Prereq jr standing and 12 hrs of the social sciences, incl 6 hrs hist. (2 or 3). 10 MTThF. SS201. Mr. Mullett

258s. **Intellectual History of Europe in Modern Times.**—Prereq jr standing and 12 hrs of the social sciences. (2 or 3). 8 MTThF. SS208. Mr. Oldfather

305. **Seminar in Ancient History (Classics 305).**—(Arr). 1-3 MW. And213a. Mr. Sellers

344. **Seminar in American History.**—(Arr). 1-3 TTh. SS204. Mr. Oldfather

352. **Thesis Course in Ancient History.**—(Arr). Mr. Sellers

362. **Thesis Course in European History.**—(Arr). Mr. Oldfather

372. **Thesis Course in English History.**—(Arr). Mr. Mullett

382. **Thesis Course in American History.**—(Arr). Mr. Sellers

## JOURNALISM

Summer Session work in the School of Journalism is designed primarily to provide for teachers of high school journalism and supervisors of high school publications a review of journalistic technique and practice. Credit from the course may be applied, however, as substitute for Journalism 82 of the regular session, or the course may be applied as a general elective.

The Summer Session *Nebraska* will provide an opportunity for practical experience in the writing and editing of copy for an extra-curricular publication.

Inspection trips to the numerous newspapers and commercial printing and publishing plants in Lincoln will afford opportunity for first-hand contact with publishing problems.

**71. Journalistic Writing.**—Training in the technique, structure, and style of the news story; editing. Editorial supervision of the high school publication—makeup, policy, and staff organization. Critical study of newspapers. Lectures, textbook, reading, conferences, inspection trips. Prereq English 1 and 2 or permission. (3). 9 daily. U106. Mr. Walker

## MATHEMATICS AND ASTRONOMY

**4. Integral Calculus.**—Primarily for engineers and students majoring in mathematics. Prereq 3 or 15. (5). 7-9 daily. M302. Mr. Gaba

**7. Fundamentals of Mathematics.**—Primarily for teachers. Essentials of algebra; phases of mathematics now recommended for special emphasis in high schools. Prereq 2 sems of high school alg. (3). 9 daily. M307. Mr. Congdon

**11. Algebra.**—A brief review of elementary algebra, followed by a study of more advanced topics, including graphic methods. Prereq 2 sems of high school alg. (3). 9 daily. M308. Mr. Camp

**12. Trigonometry.**—The elements of plane trigonometry and its applications. Prereq 11, or four sems of high school math. (3). 8 daily. M301. Mr. Harper

**13. Analytical Geometry.**—The elements of plane analytical geometry. A useful course for teachers of high school mathematics. Prereq 11 and 12, or 1. (3). 8 daily. M304. Mr. Pierce

**15. Differential Calculus.**—For teachers and students in the sciences. Prereq 13 or 2. (3). 10 daily. M301a. Mr. Harper

**16. Integral Calculus.**—Prereq 15 or 3. (3). 7 daily. M302. Mr. Gaba

**40. Theory of Investments.**—Interest, annuities, amortization, valuation of bonds, etc. Prereq 1, 11, or 12. (3). 11 daily. M301a. Mr. Harper

**120. Advanced Algebra.**—Primarily for teachers and students majoring in mathematics. Study of series, partial fractions, determinants, permutations, combinations, probability, theory of equations. Prereq 2 or 13. (3). 9 daily. M301a. Mr. Pierce

**201. Differential Equations.**—Prereq 4 or 16. (3). 8 daily. M308. Mr. Camp

**213. Projective Geometry.**—Prereq 12 hrs college math. (3). 10 daily. M304. Mr. Pierce

**304s. Differential Equations.**—Selected topics. Prereq an undergraduate major. (3). 11 daily. M308. Mr. Camp

**391. Reading Course.**—Opportunity will be given to properly qualified students to do special graduate work, on consultation with the instructor with whom the work is to be taken. (Arr). Time arr. Staff

**395. Thesis.**—(Arr). Time arr. Staff

## Music

**21b. Public School Music.**—Methods and materials for grades IV, V, and VI. Open to students who have not taken Music 21a. (3). 10 daily. MH212. Mr. Decker

**71. Elementary Harmony.**—Rudiments of music, notations, scales, together with the study and keyboard application of intervals, triads and their inversions, four-part harmony through triads, beginning analysis, and the harmonizing of both given basses and given melodies. (3). 10 daily. MH214. Miss Randall

**72. Elementary Harmony.**—Course 71 continued through seventh and ninth chords. Prereq 71 or equiv. (3). 11 daily. MH212. Miss Randall

## APPLIED MUSIC

Students who major in applied music for the degree of Bachelor of Music or Bachelor of Fine Arts in Education must pass an entrance examination in the major subject. Entrance examinations will be given by Mr. Decker in Morrill Hall 217 on June 9 (afternoon) and June 10. Students arrange directly with the School of Music office in regard to tuition fees.

Students who are working toward the Bachelor of Arts degree may receive a total of eight credit hours in Applied Music and not more than two in any semester. For requirements for the Bachelor of Fine Arts in Education degree in music and the Bachelor of Music degree, see School of Music bulletin.

As in all other University subjects, three hours of work per week constitute the basis of one credit hour, but this amount is doubled for the long session and trebled for the short session. All students of piano, violin, or cello must register for 9 lessons for one hour credit; students of voice or any of the other orchestral instruments must register for 18 lessons for one hour credit.

All students wishing to evaluate credit in applied music from other schools, or from private teachers, will see Mr. Decker during the time of registration.

81a-84a; 185a-188a. Applied Music: Piano.—(1 or 2).

Mr. Kirkpatrick, Mr. Decker, Faculty

81b-84b; 185b-188b. Applied Music: Voice.—(1).

Mr. Kirkpatrick, Mr. Decker, Faculty

81c-84c; 185c-188c. Applied Music: Violin, Cello.—(1 or 2). Harp.—(1).

Mr. Kirkpatrick, Mr. Decker, Faculty

81d-84d; 185d-188d. Applied Music: Orchestral Instruments.—(1 or 2).

Mr. Kirkpatrick, Mr. Decker, Faculty

81e-84e; 185e-188e. Applied Music: Organ.—(1 or 2).

Mr. Kirkpatrick, Mr. Decker, Faculty

85. **Voice Methods.**—Methods of singing teachers, sixteenth to twentieth centuries. Methods of approach of European and American singers of yesterday and today. Influence of musical literature on singing, allied topics, and review of famous singing teachers of today. (1). Time arr. Fee \$10 in addition to \$3 course fee. Mrs. Polley

87. **Piano Repertoire.**—Lecture recitals. Discussion, analyzation, and playing of master works of all periods of composition and all schools, from the time of the Renaissance to the present day. (1). Time arr. Fee \$10 in addition to \$3 course fee.

Mr. Schmidt

88. **Song Literature.**—Practical repertoire to meet the needs of the average singer. Artists' repertoire, educational repertoire. How to study songs. How to plan a program. How to obtain and use teaching material. Principles of interpretation. (1). Time arr. Fee \$10 in addition to \$3 course fee. Mrs. Polley

95. **Sight Reading and Accompaniment.**—Development of the ability to give expression at sight to the meaning of musical notation. Practice in accompanying for ensemble, trio, voice, solo instruments, etc. Outside accompanying required. (1). Time arr. Fee \$10 in addition to \$3 course fee. Mrs. Ross

96. **Violin Methods.**—Discussion of prominent methods. Material used by different schools explained and annotated; the most recent discoveries in psychology applied to the study of music as an executive art. Discussion of the individual differences in students and the analyzation of their faults. (1). Time arr. Fee \$10 in addition to \$3 course fee. Mr. Steckelberg

## TEACHERS OF APPLIED MUSIC

## PIANOFORTE

Professors of Piano  
Wilbur Chenoweth  
Earnest Leroy Harrison  
Mrs. Will Owen Jones  
Marguerite Klinker  
Edith Burlingim Ross  
Herbert Schmidt

## Associate Professors of Piano

Mariel Jones  
Katherine Kimball  
Frances Genevieve Morley  
Instructors in Piano  
Whilma Anderson  
Ruth Dreamer  
Thelma Sexton



## Instructors in Piano (Cont.)

Emma Strangman  
Genevieve Wilson

## ORGAN

Professors of Organ  
Wilbur Chenoweth  
Edith Burlingim Ross

## VOICE

Professors of Voice  
Maude Fender Gutzmer  
Howard Kirkpatrick  
Lillian Helms Polley  
Lenore Burkett Van Kirk  
Parvin Witte

## Associate Professors of Voice

Katherine Kimball  
Mary Hall Thomas  
Vera Augusta Upton

## Instructors in Voice

Sylvia Cole Diers  
William G. Tempel

## VIOLIN

Professors of Violin  
August Molzer  
Carl Frederic Steckelberg  
Instructors in Violin  
Valorita Callen Larimer  
Ethel Owen  
Emanuel Wishnow

## VIOLONCELLO

Assistant in Violoncello  
Ruth Sibley

## FLUTE

Associate Professor of Flute  
Frances Genevieve Morley

## HARP

Instructor in Harp  
Marjorie Ann Shanafelt

## TRUMPET AND TROMBONE

Instructor in Trumpet and Trombone  
John E. Schildneck

## BASS AND TUBA

Instructor in Bass and Tuba  
Mark Pierce

## CLARINET AND SAXOPHONE

Instructor in Clarinet and Saxophone  
Raymond R. Reed

## BASSOON AND OBOE

Instructor in Bassoon and Oboe  
Paul C. Bieberstein

## FRENCH HORN

Instructor in French Horn  
Luther Gilbert Andrews

## DRAMATIC ART

Instructor in Dramatic Art  
Regina Holcomb

## PHARMACY

1. **Elementary Pharmacy.**—Study of the fundamental processes and underlying principles of pharmacy. Study of pharmaceutical arithmetic. (3). Time arr. Mr. Burt

2. **Galenical Pharmacy.**—Lecture and laboratory study of the galenical preparations of the United States Pharmacopoeia and National Formulary. Study of pharmaceutical Latin. Prereq 1. (3). Time arr. Mr. Burt

3. **Advanced Pharmacy.**—Lecture and laboratory study of the official inorganic and organic compounds, and their preparations. The more difficult types of preparations are considered in the laboratory, including those involving chemical reactions. Prereq 2. (3). Time arr. Mr. Burt

4. **Pharmacopoeial Testing.**—Lecture and laboratory study of the qualitative methods used in the identification and testing of the official organic compounds. Study of the vegetable alkaloids and their identification. Prereq 3 or by permission. (3). Time arr. Mr. Burt

152. **Practice in Compounding and Dispensing.**—For advanced students. Prereq 104. (3). Time arr. in dispensary. Mr. Burt

253. **Advanced Analytical Pharmacy.**—Lecture and laboratory study of the analysis of organic and proprietary medicaments. Prereq 1, 2, 3, 4, 101, 102. (2). Time arr. Mr. Burt

321. **Research in Pharmacy.**

Mr. Burt, Mr. Bukey

## PHILOSOPHY AND PSYCHOLOGY

## PHILOSOPHY

20. **Elements of Ethics.**—Problems of individual and social conduct; the bearing of sound ethical principles upon everyday life. (3). 11 daily. SS315. Mr. Bouwsma

30. **Logic, Deductive and Inductive.**—Practice in logical analysis, the use of syllogism and inductive methods, and detection of fallacies. (3). 8 daily. SS315.

Mr. Bouwsma



**133s. Idealism.**—Attempts to understand and trace historically the main ideas which constitute modern Idealism, including interpretations of science, morals, art, and religion. (3). 10 daily. SS315. Mr. Bouwsma

**333. Recent American Movements.**—Pragmatism and Realism. (2-4). Arr. SS316. Mr. Bouwsma

#### PSYCHOLOGY

**70. Elementary Psychology.**—Lecture course. Human nature and behavior, including a study of intelligence, memory, learning, mental development, motivation, emotion, sensation, observation, thinking, and personality. (3). 10 daily. SS218.

Mr. Walton

**90. Elementary Psychology.**—Laboratory course. Experiments and demonstrations covering the same topics as in Course 70. May accompany or follow Course 70 or equivalent. (3). 1-3 daily. SS224.

Mr. Walton

**180. Business Psychology.**—The human factor in business and industry dealing with the psychology of advertising and salesmanship, selection and training of personnel, and the relations between employer and employee. Prereq 70 or equiv. (3). 11 daily. SS224.

Mr. Walton

Course 180 may not apply on the group requirement in the College of Arts and Sciences and, in the Teachers College, may apply only on the four-year Commercial Course.

**185. Abnormal Psychology.**—Disorders of sensation, perception, association, thinking, memory, action, intelligence, and personality; sleep, dreams, suggestion, and hypnosis; mental diseases and mental hygiene. Prereq 70 and 90, or equiv. (3). 8 daily. SS224.

Mr. Jenness

**296. Minor Research Problems.**—An original research upon some individual psychological problem. Prereq 70, 90, and 2 advanced courses or equiv. (2). Arr. SS118.

Staff

**372. Psychological Literature.**—Reading assignments in special fields. (2 or 3). Arr. SS118.

Mr. Jenness

**385. Research in Abnormal and Social Psychology.**—Cr and time arr. SS118.

Mr. Jenness

#### PHYSICAL EDUCATION FOR WOMEN

The following course may not be used as a substitute for P.E. 51, 52, 53, or 54, required for graduation, except upon special written permission of the Chairman of the Department.

**155II. Swimming.**—For the acquisition of skills for the students' later recreational hours. Permits to register for this course must be secured from the Student Health Service in Pharmacy Hall. (1). Elementary, Sec. I, 8 daily; Sec. II, 9 daily; Sec. III, 3 daily. Intermediate, Sec. IV, 2 daily. UC Pool.

Miss Dahlgren

#### PHYSICS

**2. Elementary General Physiscs.**—Light, electricity, and magnetism. (5). L 9 MTThF, BL211; rec 9 W, 1 TThF, BL202; lab 1-5 MW, BL301.

Mr. Spencer

**12. General Physiscs.**—Light, electricity, and magnetism. Prereq 2 sems of high school physics and either 6 sems of high school math or 4 sems of high school math with 3 hrs of college math. (4). L 9 MTThF, BL211; rec 2 TTh, BL202; lab 1-4 MW, BL301.

Mr. Spencer

**106. Recent Developments in Physics.**—A survey of the development of current theories. Molecular reality; nature of atoms, electrons, and atomic nuclei. Electromagnetic theory of light; quantum hypothesis; X-rays, radioactivity, and atomic disintegration. Prereq 1 yr of college physics. (3). 11 daily. BL119.

Mr. Marvin

**211. Analytical Mechanics.**—Formal development of the general principles of mechanics. Prereq 1 yr of college physics and differential calculus. (3). 9 daily. BL119.

Mr. Marvin

**307s. Thermodynamics.**—The laws of thermodynamics, and application of these laws to selected problems in various fields. Prereq 1 yr each of college physics and chem; differential equations preceding or parallel. (3). 8 daily. BL119.

Mr. Marvin

- 311. Research.**—Original investigation of a problem in experimental physics. (2-5). Time arr. Mr. Marvin, Mr. Spencer

## PHYSIOLOGY

**1. General Physiology.**—A study of the fundamental phenomena of life. Covers in general the functions of the supportive tissues, muscles, nerves, central nervous system, and special senses. A basic course for all students in all colleges. Courses 1 and 2 may be taken simultaneously in the Summer Session. (3). L 1 daily, P4; lab 3-5 MW; quiz 2 hrs arr. P204.

Mr. Lyman, Assistant

**2. General Physiology.**—Course 1 continued. Covers the blood, circulation, respiration, digestion, nutrition, elimination, and the ductless glands. A student may carry Courses 1 and 2 at the same time during the Summer Session. (3). L 2 daily, P4; lab 3-5 TTh; quiz 2 hrs arr. P204.

Mr. Lyman, Assistant

**108. Physiological Problems of the School.**—A practical course for those who wish to teach physiology in the grades and in the high school. (3). 11 daily. P4.

Mr. Lyman

**321. Research in Physiology or Pharmacology.**—Arr.

Mr. Lyman

## POLITICAL SCIENCE

**1. American Government.**—A survey of the organization and processes of government in the United States, national, state, and local, with emphasis upon popular control of government and the obligations of citizenship. Open to all. (3). 11 daily. SS113.

Mr. Aylsworth

**2. European Governments.**—A study of the political institutions and practices of the leading European states, with special emphasis upon Great Britain, France, and Germany. Prereq 1. (3). 8 daily. SS113.

Mr. Fellman

**105. Political Parties.**—Origin, functions, organization, and methods of political parties, primary and convention nominating systems, legal control of parties, elections, and campaign funds, public opinion and party leadership. Prereq 6 hrs Pol Sci or 6 hrs American History, or Econ 11 and 12. (3). 8 daily. SS102.

Mr. Aylsworth

**106. American State Government.**—Origin and growth of state constitutions, regulation of suffrage, parties and elections, organization and work of legislature, executive and judiciary, administrative reorganization, state and local government, federal relations. Prereq 6 hrs Pol Sci, or 6 hrs Amer Hist, or Soc including Course 9. (3). 10 daily. SS113.

Mr. Aylsworth

**108. International Relations.**—A study of the principles and political problems involved in the foreign policies and international relations of the nations of the world. Prereq 6 hrs. Pol Sci or Eur Hist, or Geog. (3). 11 daily. SS107a.

Mr. Fellman

**116. The American Constitution.**—Study of constitutions in their legal and functioning aspects; development of constitutions by custom, by legislative, executive, administrative, and judicial interpretations; significance of the constitution in a democracy. Prereq 6 hrs Pol Sci or Hist. (3). 9 daily. SS113.

Mr. Fellman

**222. Legislative and Administrative Control of Business.**—Recent development. Nature, scope, and underlying principles of legislation for the control of social, economic, and industrial conditions; application of administrative standards; methods of supervision; role of government in contemporary industrial society. (3). 8 daily. SS107a.

Mr. Senning

**304. Seminar in Public Administration.**—(3). 10-12 TTh. SS107b. Mr. Senning

## PRACTICAL ARTS

**41. Elementary Woodwork.**—Proper care and use of tools. Fundamental processes of wood working. Study is made of necessary operations preparatory to finishing the wood; the preparation, use, and application of stains, fillers, oil, shellac, or varnish and polishing. (2-3). L 10 MWF, TC17; lab 1-5 MW, TC1.

Mr. Easton

**42. Wood Technology.**—Course 41 continued. A study is made of the structure, properties, and characteristics of different woods; also of the related materials in woodwork. The student will also be given beginning lathe work. (3). L 10 TTh, TC17; lab 1-5 TTh, TC1.

Mr. Easton

**43. Furniture Making.**—Student designs and constructs furniture. Study is made of wood working machines, namely: Variety saw, band saw, sanders, shapers, lathe, and jointer. Student becomes familiar with operations, care, and use of machines. Prereq 42 or permission. (3). L 9 MWF, TC17; lab 1-5 TTh, TC1. Mr. Easton

**50. Wood Turning.**—Practice in the operation of the wood turning lathe and the care and upkeep of lathe and lathe tools. The student studies design as applied to lathe projects and the methods used in lathe finishing. Prereq 41. (1-3). Lab 5 to 15 hrs arr. TC1. Mr. Easton

**53. Upholstery and Weaving.**—This course enables the student to acquire the fundamentals of cane and fibre weaving, of simple upholstering, and various methods of finishing such projects. (2-3). L 11 TTh, TC17; lab 6 to 9 hrs arr. TC1. Mr. Easton

**54. Household Mechanics.**—Study of the use, repair, and maintenance of household appliances and equipment, stressing the fundamentals of a number of crafts such as elementary electricity, sheet metal, bench metal, plumbing, concrete, and some woodwork. (2-3). L 11 MWF, TC17; lab 6 hrs arr. TC1. Mr. Clark

#### ROMANCE LANGUAGES AND LITERATURES

##### FRENCH

**1. Elementary Grammar.**—Elementary grammar and pronunciation, with frequent dictation and simple reading; main emphasis on French sounds and thorough drill on fundamentals. (5). 8-10 daily. U110. Mr. French

**1-2. Elementary French.**—Course 1, as described above, will cover the elements of grammar and pronunciation, and will include some simple reading. Opportunity will be given early to students who want to earn four additional credits by supplementary reading. From such students, a minimum total of 400 pages of elementary reading will be expected, in addition to the regular work of Course 1. French 1-2 will fit the needs of three types of students: Those who wish to cover merely the work of the first semester in college, those who want to concentrate on a full year's work in the summer, and those who have already had first semester French and wish to complete the year's work, as described in French 2. Open to all students. (9). 8-11 daily. U110. Mr. French

**2. Elementary Grammar.**—Complete review of elements of French grammar, further drill in pronunciation, dictation, some practice in conversation based on intensive and extensive readings in simple prose. Prereq 1 or equiv. (5). 9-11 daily. U110. Mr. French

**3. Reading in French.**—This course will review rapidly the elements of grammar, and will consist of intensive and extensive reading in prose, drama, and poetry. Practice will be given in pronunciation and in oral French. The minimum total of reading acceptable will correspond to about 500 pages. Open to all students who have had a year of college French. (3). 10 daily. U102. Mr. Fling

**4. Reading in French.**—Intensive reading in prose, drama, and poetry; considerable amount of extensive reading along lines of major interests of students; constant oral practice, dictation, conversation. Prereq 3 or equiv. (3). 9 daily. U109. Mr. Minault

**201. Phonetics.**—Scientific analysis of French sounds in pronunciation of words, isolated and in groups; international phonetic symbols used; intonation, conversation, reading, declamation in prose and verse, presentation of plays. Helpful for prospective teachers. Prereq 4 or equiv. (3). 8 daily. U102. Mr. Fling

**209. Seventeenth Century.**—Study with aid of anthology and historical manual of golden age of French literature; complete works for supplementary reading in library. Conducted in French. Prereq ability to read and understand spoken French. (3). 10 daily. U109. Mr. Minault

**225. French Civilization.**—This course conducted in French, will be entirely oral, consisting of analyses and discussions grouped around a study of France in history and the arts. The practice in the foreign language will help students to acquire greater oral facility, a finer correctness of pronunciation, and a better knowledge of current daily idiom. Teachers of French registering for the course will find it, because of its large background review and its oral emphasis, of immediate practical value for this classroom procedure. Open to all students who have had two years of college French. (3). 11 daily. U109. Mr. Minault

## SPANISH

**51. Elementary Grammar.**—Complete acquaintance with fundamentals of grammar and pronunciation; some simple reading. (5). 8-10 daily. U111. Mr. Saenz

**51-52. Elementary Spanish.**—Course 51, as described above, will cover the elements of grammar and pronunciation, and will include some simple reading. Opportunity will be given early to students who want to earn four additional credits by supplementary reading. From such students, a minimum total of 400 pages of elementary reading will be expected, in addition to the regular work of Course 51. Spanish 51 and 52 will fit the needs of three types of students: Those who wish to cover merely the work of the first semester in college, those who want to concentrate on a full year's work in the summer, and those who have already had first semester Spanish and wish to complete the year's work as described in Spanish 52. Open to all students. (9). 8-11 daily. U111. Mr. Saenz

**52. Elementary Grammar.**—Thorough review of elements of Spanish grammar, with frequent drill in pronunciation, practice in conversation, intensive and extensive readings in simple prose. Prereq 51 or equiv. (5). 9-11 daily. U111. Mr. Saenz

**53. Reading in Spanish.**—This course will review rapidly the elements of grammar, and will consist of intensive and extensive reading in prose, drama, and poetry. Practice will be given in pronunciation and in oral Spanish. The minimum total of reading acceptable will correspond to about 500 pages. Open to all students who have already had one year of college Spanish. (3). 9 daily. U102. Mr. Fling

**54. Reading in Spanish.**—Intensive reading in prose, drama, and poetry; considerable amount of extensive reading along lines of major interests of students. Constant oral practice, dictation, conversation, some composition. Prereq 53 or equiv. (3). 9 daily. U102. Mr. Fling

NOTE: Course 54 will be conducted as a reading course based upon more difficult texts than those in 53. Students will review some of the elements by attending 53 but will do considerable reading and practice outside. The teacher will meet them independently at least once a week by arrangement, for special consultation and guidance.

**267. General Literary Survey.**—This course will plan to give students a general glimpse of Spanish literature from the Siglo de Oro to the twentieth century. Class texts will consist of anthology and a history of literature. Required supplementary reading will include complete works obtainable at the library. Open to all students who have had two years of college Spanish. (3). Time arr. Mr. Saenz

## SOCIOLOGY

**9. Principles of Sociology.**—Nature of human groups, the basic elements affecting them, communication and culture, structural and ecological organization of society, collective behavior, and social change. Sophomores and above. (3). 8 daily. SS105. Mr. Reinhardt

**10. Principles of Sociology.**—Course 9 continued. Social processes, especially those of conflict and cooperation, selected contemporary social problems, and social control. Prereq 9. (3). 9 daily. SS105. Mr. Hertzler

**142. Urban Sociology.**—The molding influences of the city environment with respect to personality. Prereq 9. (3). 7 daily. SS105. Mr. Reinhardt

**170. Field and Museum Technique in Anthropology.**<sup>1</sup>—Work involving actual field experience in Nebraska archaeology and ethnology, or training in the care, classification, and study of museum specimens. Admittance determined by consultation with the instructor. (3). Time arr. Field. Mr. Bell

**242. Personality and Social Adjustment.**—Personality and the socio-cultural environment: As family, school, gang, nationality, racial, and occupational relationships. Prereq 215 or jr standing and 12 hrs of soc sci including Psych 70, 90, or 188. (3). 9 daily. SS111. Mr. Reinhardt

<sup>1</sup> This course may be taken for more than one registration, with a general limit, however, of ten hours, and a limitation of six hours to count toward a major in Anthropology.

**250. Social Institutions and Social Control.**—An analysis of nature and grouping of social institutions and other important means of social control, used in the interests of social order or for selfish purposes. Prereq jr standing and 12 hrs in soc sci, including 9. (3). 8 daily. SS111. Mr. Hertzler

**327. Sociological Theory and Methods.**—A critical examination of the basic principles and elements of sociological theory, of the methods and problems of research, and the newest developments in sociology from year to year. Lecture, student investigation, and round table discussion. (3). 10-12 MW. SS111. Mr. Hertzler

**391. Thesis Research.**—Supervised research in preparation for advanced degree theses. (1-3). Time arr. Staff

#### SPEECH AND DRAMATIC ART

**1. Reading and Speaking.**—Analysis and interpretation of selections from dramatists, poets, and essayists. Class recital. Course arranged for needs of teachers. Impersonation and pantomime. (3). 10 daily. T306. Miss Gellatly

**101. Dramatics.**—Technique of play production. Laboratory practice. Make-up. Designed to prepare teachers and recreational workers for more effective direction of educational and community recreation. (3). 9-11 daily. T201. Mr. Yenne

**113. Repertoire.**—Voice, diction, gesture. Platform deportment. Discussion and arrangement of programs. Class recitals, each student in humorous and dramatic readings, one-act plays, and poetry. (3). 8 daily. T203. Miss Gellatly

**116s. Theatre Theory.**—A study of the aesthetics of the theatre. Lectures, readings, and class reports on the theories of acting and stage production. A special study of the Modern Russian Theatre. (3). 8 daily. T201. Mr. Yenne

#### ZOOLOGY

✓ **1. Introduction to Zoology.**—Beginning course in the methods and principles of the subject. (3). L 11 daily, BH201; lab 2-4 MWF, BH107. Mr. Whitney

**2. Introduction to Zoology.**—Course 1 continued. Zoology 1 and 2 may be taken concurrently. (3). L 1 daily, BH201; lab 2-4 MWF, BH101. Mr. Powell

**112. Comparative Anatomy of the Vertebrates.**—Prereq 1 and 2 or equiv. (4). L 11 daily, BH124; lab 12 hrs arr. BH206. Mr. Powell

✓ **141. Evolution and Genetics.**—Prereq complete beginning course in biol, zool, bot, or physiol. Cannot be used to complete the Arts and Sciences biology group requirement. Readings and essays. (3 or 4). 10 daily. BH201. Mr. Whitney

**245. Advanced Work in Experimental Zoology.**—Individual work on an assigned problem. Laboratory work with conferences and assigned readings. Prereq 243. Permission. (2). Time arr. Mr. Whitney

**393. Research.**—Work may be begun under Mr. Whitney or may be a continuation of work done under other members of the staff by arrangement with the individual directing the research under Mr. Whitney's supervision. (3-9). Mr. Whitney

**395. Graduate Thesis.**—Work done under any member of the staff but during the summer supervised by Mr. Whitney. (Arr). Time arr. Mr. Whitney

Zoal 6  
Genetics 3

9 OK

SHORT SESSION

AGRONOMY

**103s. Identification of Weeds and Crop Plants.**—Weed, grasses, legumes, and other crop plant identification. Opportunity given to make mounts of both seeds and plants. Field trips 7 to 8 Tuesday and Thursday evenings. Classification and mounting specimens 8 to 9. (2). PI106. Mr. Keim

COMMERCIAL ARTS

A daily instruction period is required for each typewriting course in either the short or the long session.

Typewriting practice may be arranged with the instructor. Nine hours weekly practice is required for 2 hours credit in the short session. Four hours weekly practice, 1 hour credit, in the short session.

**25. Elementary Typewriting.**—(See Long Session.) (1 or 2). Sec. I, 8 daily; Sec. II, 2 daily. TC118. Miss Halbersleben, Miss Schwenker

**26. Intermediate Typewriting.**—(See Long Session.) (1 or 2). 10 daily. TC118. Miss Schwenker

**27. Advanced Typewriting.**—(See Long Session.) (2). 9 daily. TC100. Miss Schwenker

**125a. Practicum.**—(See Long Session.) (1 or 2). Miss Hill

EDUCATION

ELEMENTARY EDUCATION

A laboratory school will be in session each morning at the Bancroft building (one block from Teachers College). Nursery School from 9 to 11—open to students registered in Education 104.

Reading Clinic (Remedial) from 10 to 11—open to students registered in Education 105.

Speech correction clinic at 9—open to students registered in Education 101.

Grades I, III, IV, VI, and Rural School from 9 to 11—open to students registered in Education 8.

Graduate students cordially invited. Secure visiting cards at Department office (TC312). Miss Wilson, Director

Miss Baker, Principal

Miss Howland, Assistant

I. Kindergarten-Primary Division (Nursery, Kindergarten, Grades I, II, III).

**4a. Primary Education.**—Grades I, II, III. Emphasis on language, spelling, arithmetic, social studies. Aims, procedures and activities, materials, and measurements. (2). 8 daily. And215. Miss Wilson

**4b. Primary Education.**—Principles and methods in teaching reading, oral and silent; the between-recitation period; writing. Materials, procedures, correlation with other subjects. Parallel with Educ. 8. (2). 11 daily. And202. Miss Rainey

**6. Industrial and Fine Arts in the Elementary Grades.**—Readings, discussions, practical work. Materials: Clay, textiles, wood, etc. Open to all. (2). Sec. I, 8 daily; Sec. II, 7 daily. TC310. Miss Spalteholz

**8. Observation.**—Observation in elementary grades, 5 hours each week for six weeks. Written criticisms, discussions, conferences to be arranged. Open only to students registered in Educ. 4a, 4b, 12a, 12b, 107, or by permission. (1). Sec. I, 9 daily; Sec. II, 10 daily. Bancroft School. Miss Wilson, Miss Baker

**101. Speech Development and Correction.**—Disorders of speech, in relation to emotional life of child; stuttering, phonetic disorders—cause and treatment. Speech histories; preventive hygiene; speech clinic; demonstration with elementary children and clinic cases, diagnosis, treatment. (2). Bancroft School. 9 daily. Miss Oliver, Miss Baker

**104. Nursery and Pre-Kindergarten Education.**—Study of pre-kindergarten child. Curriculum materials, technique of teaching. Mental development, health, behavior, and social background. Problems growing out of pre-school movements. One hour daily in clinic, 9 or 10 o'clock. Prereq psych. (2). 11 daily. Bancroft School Auditorium. Miss Evans

**Clinic.**—Pre-school group, 3- and 4-year old children. Sec. I, 9 daily; Sec. II, 10 daily. Bancroft School. Miss Evans, Miss Howland

**105. The Teaching of Reading.**—A survey of recent contributions in reading. Their bearing on practices and materials in grades I to VI. Desirable outcomes, diagnosis of difficulties, remedial work. Prereq 4b or 12a, 23 or teaching experience. (2). 10 daily. Bancroft School Auditorium. Miss Baker, Miss Rainey, Miss Howland

**107. Social Studies.**—(See Long Session.) (2). 8 daily. And229.

Miss Rainey, Miss Baker

## II. Intermediate Grades Division (Grades IV, V, VI).

**12a. Teaching of Elementary School Subjects.**—(See Long Session.) (2). Sec. I, 10 daily. And215. Mr. Wiltse. Sec. II, 11 daily. And215. Miss Price.

**12b. Teaching of Elementary School Subjects.**—(See Long Session. (2). 9 daily. SS107b. Mr. Stoneman

**17. Children's Literature.**—(See Long Session.) (2). 8 daily. And214. Miss Price

**19. Handwriting.**—A study of the systems of handwriting with special emphasis on training teachers to qualify for certificates in handwriting. No credit. 1 daily. TC310.

Miss Assenmacher

**101. Speech Development and Correction.**—See Kindergarten-Primary Division.

**105. The Teaching of Reading.**—See Kindergarten-Primary Division.

**107. Social Studies.**—(See Long Session.) (2). 8 daily. And217. Miss Kely

**112s. Nebraska Elementary Course of Study and School Management.**—(See Long Session.) (2). 7 daily. And127. Mr. Weber

**113. Teaching the Language Arts.**—(See Long Session.) (2). 9 daily. And217.

Miss Price

## HISTORY AND PRINCIPLES OF EDUCATION

Education 30 is required of all freshmen matriculating in Teachers College. Course 31 is an elementary course and may be taken by those who have had no work in education. For the other courses not less than six hours in education are required.

**30. An Introduction to Teaching.**—An orientation course required of all Teachers College freshmen. Nature and method of study; how to use books; how to make outlines; development of right habits of study. Introduction to the various phases of teaching as a profession. (2). 9 daily. And127. Mr. Corey

**31. Foundations of Modern Education.**—(See Long Session.) (2). 10 daily. SS205.

Mr. Baller

**37s. Character Education.**—Designed to aid teachers in preparing an adequate program of character education for their schools in accordance with the present character education law. (2). 8 daily. TC320. Mr. Baller

**138. Bases of Method.**—(See Long Session.) (2). 10 daily. And127. Mr. Werner

For general prerequisites, see page 30.

**337. Education and Democracy.**—(See Long Session.) (2). 11 daily. And126.

Mr. Werner

**338. Education and Democracy.**—(See Long Session.) (2). 8 daily. And126.

Mr. Werner

## SCHOOL ADMINISTRATION

Primary emphasis in all the courses in the Department of School Administration is placed upon the principles, techniques, and procedures essential to the administration of smaller schools. Likewise, research, school surveys, and school visitation conducted by the department are concerned principally with such schools.

A requirement of 10 hours of education is a prerequisite for all undergraduate courses except Course 52.



52. Every Teacher's Problems.—(See Long Session.) (2). 11 daily. TC214.  
Mr. Burkhardt
151. Personnel Problems of the Teaching Staff.—(See Long Session.) (2). 10 daily.  
SS102. Mr. Jackman
152. Fundamentals in School Administration.—(See Long Session.) (2). 8 daily.  
TC303. Mr. Matzen
- For general prerequisites, see page 30.
- Course 151 or 152 is prerequisite to 254; Course 152 to 256, 257s; Course 353 to 358.
254. Management of Small School Systems.—(See Long Session.) (2). 9 daily.  
And113. Mr. Platt
256. Public Relations.—(See Long Session.) (2). 9 daily. SS205. Mr. Bowers
- 256a. Public Relations.—Organization and administration of the Parent-Teacher Association in the school community; objectives, programs, and program-making in Parent-Teacher Association work. (2). 9 daily. And126. Mr. Novotny
- 257s. School Law.—(See Long Session.) (2). 1 daily. TC201. Mr. Bimson
358. School Surveys, Buildings, and Equipment.—(See Long Session.) (2). 8 daily. SS202. Mr. Linn

SECONDARY EDUCATION

149. Extra-Curricular Activities.—(See Long Session.) (2). 9 daily. TC21.  
Mr. Lantz
246. The Junior High School.—Study of the history, purpose, curriculum, organization, and special methods in junior high schools. Lectures, readings, and investigations of special problems. Prereq 63 and 141 or 142. (2). 7 daily. TC214. Staff

COURSES IN SPECIAL METHODS

Prerequisite: Eight hours of education including Course 141, or 142 when the major is "Science" or is a science subject, and not fewer than 12 hours academic credit completed or being completed in the subject, or in authorized groupings of subjects to be taught.

121. Biology.—Selection and organization of subject-matter of a course in biology and methods used in its presentation. Includes studies in human physiology. (2). 11 daily. TC323. Mr. Wise
121. English.—Subject-matter and methods in English composition. Selection of reading materials and development of appreciation in literature. (2). 8 daily. TC214. Miss Clark
121. History, European.—A study of the nature of history, of the general and specific programs in history, and of the materials and methods for the teaching of history in the high school. (2). 9 daily. TC208. Miss Gamble
121. Music.—Junior and senior high school methods covering grades VII to XII, inclusive. Prereq Music 21a and 21b. (2). 11 daily. MH219. Mrs. Platt, Mr. Norton, Mr. Howerton
121. Typewriting and Business Principles.—Study of objectives, values, and techniques of teaching high school courses in typewriting and in business principles. Selection and organization of subject-matter and materials of instruction. Methods of presentation, drill, and practice. Prereq Com Arts 27. (2). 2 daily. TC100. Miss Hill

PROFESSIONALIZED COURSE

122. Nature Study.—(See Long Session.) (2). 7 daily. TC323. Mr. Wise

ENGINEERING, CIVIL

The following courses in Civil Engineering will be offered at the Summer Surveying Camp from June 6 to July 18. This camp will be located at the State Military Camp east of Ashland, Nebraska, and can be reached by following the State Military Camp detour from Federal Highway No. 6. For complete information, see University of Nebraska special bulletin announcing the 1936 Summer Surveying Camp.



**7s. Plane Surveying.**—Care, use, and adjustment of surveying instruments. Land, topographic, hydrographic, and route surveying; base line measurements and triangulation; computations and mapping. Prereq trig. (6). SS Camp. Mr. Harkness

**103s. Advanced Surveying.**—Land, topographic, and hydrographic surveying; base line measurements and triangulation; astronomical observations. Methods used in location and construction of canals, highways, railways; project work. Prereq 7s or 10 and Math 3. (6). SS Camp. Mr. Mickey, Mr. Harkness

**105s. Hydrographic Surveying.**—Topographic and hydrographic surveys of streams, lakes, and reservoirs. Measurement of flow and energy of water. Prereq 111. (3). SS Camp. Mr. Mickey, Mr. Harkness

#### ENGLISH

**1. English Composition.**—(See Long Session.) (2). 9 daily. And227.

**2. English Composition.**—(See Long Session.) (2). 11 daily. And227. Mr. Forward

**21. English Literature.**—(See Long Session.) (3).\* Sec. I, 8 daily, And127, Miss Strong; Sec. II, 11 daily, Mr. Stepanek.

**22. English Literature.**—(See Long Session.) (3).\* 11 daily. And117. Mr. Frantz

**256. Nineteenth Century Essayists.**—Their form and style, and their relation to the thought of their times. Critical study of Carlyle, Ruskin, Newman, Arnold, Huxley, and Stevenson. Prereq 12 hrs of Engl. (2). 8 daily. And227. Mr. Forward

#### FINE ARTS

##### DRAWING AND PAINTING

**1-4. Drawing.**—Drawing from still life and cast, rapid sketching from life, and drawing from memory and imagination. The study is directed towards the structural use of line, form, and color. (1 or 2). Lab 9 or 18 hrs a week. 1-4 daily. MH302.

**1a-4a; 105a-108a. Theory and Practice in Design.**—Fundamental principles of design with application to china painting, stenciling, decorative leather, gesso, batik, etc. Original designs in space and line composition, followed by study of color harmony. (1 or 2). Lab 9 or 18 hrs a week. Sec. I, L 8 TTh, lab 9 TTh, and 1-4 daily. MH302. Sec. II (applied work and crafts) L 10 WF, lab 11 WF and 1-4 daily. MH302. Miss Mundy

Students taking one hour credit in sculpture will register for nine hours of laboratory per week within the scheduled hours. Students wishing two hours credit must register for eighteen hours of laboratory per week. Beginning students will register for F.A. 1c. Those who have already received one or more hours credit will register for subsequent advanced number.

**1c-4c; 105c-106c. Sculpture.**—Modeling from casts and life (1 or 2). 8-12 MWF and 9-12 TTh. MH300. Mr. Williams

Students desiring one hour credit in lettering will register for classes at 11 daily. For 2 hours credit, 11 MWF (lectures) and 10 TTh (laboratory). Students desiring 2 hours credit must register for two separate calendar numbers at the same time. Students taking lettering for the first time and desiring only 1 hour credit, register for 1f. Advanced students having had 1 or more hours credit in lettering will register for 2f, 105f, or 106f, as the case may be.

**1f-2f. Lettering.**—Study of the Roman alphabet as the basis of lettering. Gothic and italic alphabets in detail. Arrangement of lettering for advertising and book design. (1 or 2). MH306-307. Mrs. Setzer

**105f-106f. Advanced Lettering.**—Special work in manuscript writing and illumination or in advertising lettering. (1 or 2). MH306-307. Mrs. Setzer

**1g-4g; 105g-108g. Water Color and Still Life Drawing.**—Studies in still life. Fundamental principles involved in the theory of color and color values. (1 or 2). Lab 9 or 18 hrs a week. 1-4 daily. MH302. Miss Mundy

\* A student registering for this course in the six weeks session must complete one hour of the course by extension. No credit is given until the work by extension has been completed. The credit may not apply on a degree from the Graduate College.

Students taking one hour credit in pottery will register for nine hours of laboratory work per week within the scheduled hours. Students wishing two hours credit must register for eighteen hours of laboratory per week. Beginning students will register for F.A. 1h. Those who have already received one or more hours credit will register for subsequent advanced number.

**1h-4h; 105h-108h. Pottery.**—Building of pottery by coil and mold method. Study and application of glazes to the ware. Firing. (1 or 2). 8-12 MWF, and 9-12 TTh. MH300. Mr. Williams

**3k-4k. Still Life or Landscape Painting.**—(1 or 2). L 1 T, lab 2-5 MTWF. MH300. Mr. Williams

**19. Pictorial Composition.**—Art structure and theory of color. Sophomores and above. (2). L 1 MWF, MH301, lab 8-10 TTh. MH300. Mrs. Setzer

**21b. Public School Drawing.**—Elementary methods covering grades IV, V, and VI. Sec. I, prereq 21a (Drawing). (1). 9 daily. Sec. II, No prereq. 9 TTh, lab 9-11 MWF. (2). MH306. Mrs. Setzer

#### THE HISTORY AND CRITICISM OF THE FINE ARTS

**30. Art Orientation.**—A study of the principles underlying all forms of art expression. Planned to be especially helpful for teachers. (2). 8 daily. MH204. Mrs. Setzer

#### JUVENILE DEPARTMENT

**Juvenile Art.** A course designed for children of talent. Drawing, painting, design, and modeling. The purpose of this course is to stimulate and direct creative ability. Tuesday and Thursday forenoons from 10-12. Morrill Hall 202. Fee \$6 for the six weeks' term. Students register for these courses through University Extension Division. Miss Burry

#### GEOGRAPHY

**61. Principles of Geography.**—(See Long Session.) Students may finish their laboratory work by taking two 3-hour periods per week: Sec. I, 2-5 MW; Sec. II, 2-5 TTh. Regular class work during term. (3).<sup>\*</sup> L 7 MTThF. FM105. Mr. Carlson

**61a. Principles of Geography.**—(See Long Session.) (2). 7 MTThF. FM105. Mr. Carlson

**61b. Principles of Geography.**—(See Long Session.) (1). Lab 3 hrs per week and two Saturdays in field work. 2-5 M, 2-5 W, or 3-6 F. FM105. Mr. Carlson

**62. Regional Geography of the Continents.**—(See Long Session.) Take regular course during six weeks. Laboratory work may be completed by taking two 3-hour periods per week. Arranged. Finish class work by extension. (3).<sup>\*</sup> 7 daily. FM102. Lab 2-5 T or 2-5 Th. FM6. Miss Mitchell

**62a. Regional Geography of the Continents.**—(See Long Session.) (2). 7 daily. FM102. Miss Mitchell

**62b. Regional Geography of the Continents.**—(See Long Session.) (1). Lab 2-5 T or 2-5 Th. FM6. Miss Mitchell

**163. Geography of Nebraska.**—(See Long Session.) (2).<sup>\*</sup> 1 MTThF. FM105. Miss Mitchell

**164. Geography of North America.**—(See Long Session.) (2 or 3).<sup>\*</sup> 11 daily. FM105. Miss Mitchell

**167. Geography of Latin America.**—(See Long Session.) (2). 8 daily. FM105. Mr. Carlson

**168. Geography of Europe.**—(See Long Session.) (2). 9 daily. FM102. Mr. Van Royen

**Graduate Courses.** (See Long Session.) Credit for graduate work during the six weeks session granted by special permission.

#### GEOLOGY

**1. Elementary Geology.**—(See Long Session.) (2). Time arranged. Miss Webster

**21. Elementary Petrology.**—(See Long Session.) (1 or 2). Consult instructor. Time arranged. Miss Webster

<sup>\*</sup> See footnote on page 52.

105. **Elementary Paleontology.**—(See Long Session.) (1). Time arranged. Miss Webster
203. **Advanced Geology.**—(See Long Session.) Credit and time arranged. Miss Webster
217. **Crystallography.**—(See Long Session.) (1). Time arranged. Miss Webster
222. **Petrology.**—(See Long Session.) (1 or 2). Time arranged. Miss Webster
240. **Mining Excursion.**—Six weeks study of mines, mills, ore deposits of the Black Hills, and other Rocky Mountain regions. General geology; topographic, stratigraphic and structural maps. Features of geologic interest listed in Course 11 will be studied incidentally. Prereq 2, 15, 27, 250; Chem 1; Math 12; CE 5. Fee \$31. (6). Mr. Schramm

## HISTORY

3. **European History to 1700.**—(See Long Session.) (3).\* 10 daily. SS202.
6. **Ancient History.**—(See Long Session.) (3).\* 8 daily. SS205. Mr. Oldfather
7. **English History to 1714.**—(See Long Session.) (3).\* 9 daily. SS208.
9. **Survey of American History to 1829.**—(See Long Session.) (3).\* 8 daily. SS201. Mr. Mullett
10. **Survey of American History after 1829.**—(See Long Session.) (3).\* 11 daily. SS205. Mr. Cochran
250. **Foreign Relations of the United States.**—(See Long Session.) (3).\* 11 daily. SS201. Mr. Sellers

## HOME ECONOMICS AND VOCATIONAL EDUCATION

## HOME ECONOMICS

All of the courses will be offered on the city campus.

The courses of the Home Economics Department aim to meet the following range of needs:

1. Students who desire to acquaint themselves (a) with the newer knowledge of nutrition and (b) with the problems that confront the consumer today.
2. Students who desire to begin their work in home economics.
3. Students whose major interest is not home economics but who wish to have an intelligent understanding of problems pertaining to the home and family life. Courses are offered which have no prerequisites to meet the needs of this group of students.

## Consumer Problems

261. **Problems in Consumer Buying.**—This course aims to develop an understanding of the problems which confront families and individuals who desire to buy efficiently. Prereq Econ 15 or equiv and 12 hrs of HE. (2). 10 daily. And110.

Miss Gibbons, Miss Morton

## Foods and Nutrition

50s. **Food Study and Nutrition.**—A study of meal planning, theory of food preparation and uses of food in the body. Planned for non-home economics majors who desire to teach. (2). 11 daily. And229.

Miss Gibbons

251. **Nutrition Problems.**—Recent advances in nutrition are studied through readings, discussions, and conferences. Individual investigations may be made through feeding experiments, dietary or metabolism studies or surveys. Prereq 241. (2). 9 daily. And229.

Miss Gibbons

## Clothing and Textiles

3a. **Textiles.**—A study of present-day fabrics to determine basic differences related to quality, use, and cost. Not open to students with credit in Home Economics 3. (2). 8-10 daily. TC15.

Miss Morton

3b. **Clothing Appreciation and Techniques.**—Principles of good taste in personal appearance and the fundamental techniques of simple garment construction. Not open to students with credit in Home Economics 3. (2). 1-3 daily. TC15. Miss Morton

\* See footnote on page 52.

Family Life and Home Management

191s. **Family Relationships.**—Introduction to the study of family life. (2). 8 daily. And115. Miss Leaton

265. **Home Management Practice.**—Six weeks residence in Home Management House, giving standards of efficiency, experience in phases of management related to the home, and in care and management of a young child. Prereq 241 and 262. (2). Arr. Miss Leaton

Design and Home Furnishing

21. **Design Essentials.**—A course aiming to develop appreciation of beauty of line, form, color, and texture and judgment in the fine use of things pertaining to every day living. Problems in selecting, evaluating, and arranging many forms of art expression. (2). 10-12 daily. TC15. Miss Shannon

87. **Home Furnishing Selection.**—A beginning course in home furnishing planned for students in the College of Arts and Sciences, Teachers College, and other colleges. Principles of design and color in furniture, textiles, ceramics, and pictures. (2). 9 daily. And115. Miss Shannon

Home Economics Thesis

399. **Research in Home Economics.**—Selection and development of a problem for Master's thesis. (Arr). Miss Gibbons, Miss Morton

VOCATIONAL EDUCATION

217. **Problems in Vocational Education.**—A study of current literature. Assigned problems. Individual projects. Special reports. Prereq 7 hrs of educ, 30 hrs of HE. (2). 8 daily. TC126. Miss Corbin

218s. **Problems in Teaching Clothing and Foods.**—Study of objectives for high school courses in foods and clothing. Study of principles underlying problems in their selection, preparation, and care. Methods of teaching. (2). 9 daily. TC126. Miss Corbin

311. **Seminar in Home Economics Education.**—Investigation of special problems in day school, adult, and part-time home economics work. Prereq 16 hrs of educ, 30 hrs of HE. (1 to 6). 11 daily. TC126. Miss Corbin

320. **Vocational Education Thesis.**—Special reports on problems chosen for thesis. Prereq 16 hrs of educ, 30 hrs of HE. Open to women. (Arr). Time arr. Miss Corbin

MATHEMATICS AND ASTRONOMY

11. **Algebra.**—(See Long Session.) (3). \* 9 daily. M308. Mr. Camp

12. **Trigonometry.**—(See Long Session.) (3). \* 8 daily. M301. Mr. Harper

13. **Analytical Geometry.**—(See Long Session.) (3). \* 8 daily. M304. Mr. Pierce

Music

21a. **Public School Music.**—Methods and materials for kindergarten and grades I, II, and III. (2). 8 daily. MH219. Mrs. Platt

21b. **Public School Music.**—(See Long Session.) (2). 10 daily. MH219. Mrs. Platt

77. **Sight Reading and Ear Training.**—Dictation from the keyboard, ear testing, and sight singing involving intervals, scales, triads, melodies, and rhythms. (1). 9 daily. MH212. Miss Randall

171. **Music Appreciation.**—General course intended not only for Music students but also for those who desire to appreciate music intelligently. Folk music and its influence, dance forms, study of symphonic instruments, etc. (2). 9 daily. MH219. Mr. Decker

178. **History of Music.**—Course 177 continued. From Gluck to the middle of the nineteenth century. (2). 8 daily. MH212. Mr. Decker

181. **Instrumentation.**—Character, compass, and technique, and use of the instruments of the orchestra and the military band, and practice in transposition and simple scoring. (2). 9 daily. MH214. Mr. Molzer

\* See footnote on page 52.

## APPLIED MUSIC

(See Long Session)

- 81a-84a; 185a-188a. Applied Music: Piano.—(1 or 2).  
Mr. Kirkpatrick, Mr. Decker, Faculty
- 81b-84b; 185b-188b. Applied Music: Voice.—(1).  
Mr. Kirkpatrick, Mr. Decker, Faculty
- 81c-84c; 185c-188c. Applied Music: Violin, Cello.—(1 or 2). Harp.—(1).  
Mr. Kirkpatrick, Mr. Decker, Faculty
- 81d-84d; 185d-188d. Applied Music: Orchestral Instruments.—(1 or 2).  
Mr. Kirkpatrick, Mr. Decker, Faculty
- 81e-84e; 185e-188e. Applied Music: Organ.—(1 or 2).  
Mr. Kirkpatrick, Mr. Decker, Faculty
85. Voice Methods.—(1).  
Mrs. Polley
87. Piano Repertoire.—(1).  
Mr. Schmidt
88. Song Literature.—(1).  
Mrs. Polley
95. Sight Reading and Accompaniment.—(1).  
Mrs. Ross
96. Violin Methods.—(1).  
Mr. Steckelberg

## PHARMACOGNOSY

154. Commercial Pharmacognosy.—Commercial and geographical sources of drugs. Drug plant culture, supply and demand. Experimental work in drug plant culture. (2). Time arr.  
Mr. Lyman, Miss Redford

## PHARMACY

5. Pharmaceutical Problems.—A study of the scope of the field of pharmacy, the history and purpose of pharmaceutical organization, and the current literature. (1 or 2). Time arr.  
Mr. Lyman, Miss Redford
6. Pharmaceutical Problems.—A study of the scope of the field of pharmacy, the history and purpose of pharmaceutical organization, and the current literature. (1 or 2). Time arr.  
Mr. Lyman, Miss Redford
152. Practice in Compounding and Dispensing.—(See Long Session.) (2). Time arr.  
Mr. Lyman, Miss Redford

## PHILOSOPHY AND PSYCHOLOGY

## PHILOSOPHY

- 131s. Problems of Philosophy.—An introduction to the study of some of the major problems of philosophy, including the nature of truth, the question of values, and the place of religion. (2). 8 daily. SS321.  
Mr. Patterson
161. Old Testament Ideals.—More significant portions of the literature of the Old Testament studied in the light of modern methods of investigation. (2). 11 daily. SS321.  
Mr. Patterson
223. Ethical Masterpieces.—Critical reading of several of the most significant works in this field. Prereq 20, 130 or equiv, and 6 hrs in other relevant courses in the department. (2). 9 daily. SS321.  
Mr. Patterson

## PSYCHOLOGY

70. Elementary Psychology.—(See Long Session.) (3).<sup>\*</sup> 10 daily. SS218.  
Mr. Walton
185. Abnormal Psychology.—(See Long Session.) (3).<sup>\*</sup> 8 daily. SS224.  
Mr. Jenness

## PHYSICAL EDUCATION FOR WOMEN

The following courses may not be used as a substitute for P.E. 51, 52, 53, or 54, required for graduation, except upon special written permission of the Chairman of the Department.

Permits to register for these courses must be secured from the Student Health Service in Pharmacy Hall.

<sup>\*</sup> See footnote on page 52.

**3s. Playground and Recreational Activities.**—Theory and practice of management and conduct of playground activities for children, recreation for older children and adults, content of programs. (1). 9 daily. Mem101. Miss Eastburn

**9s. Elementary Golf.**—For the acquisition of skills for the student's later recreational hours. (1). 4 daily. Miss Dahlgren

**15s. Tennis.**—For the acquisition of skills for the student's later recreational hours. (1). 7 daily. Miss Eastburn

**142. Applied Technique of Folk Dancing.**—Simple singing games and folk dances, more advanced dances and clogging, presented from the teacher's viewpoint. Sources of material. No prereq except for physical education majors who must have completed Courses 41, 42, 43, 44. (1). 11 daily. Mem101. Miss Eastburn

**155II. Swimming.**—(See Long Session.). (1). Elementary, Sec. I, 8 daily; Sec. II, 9 daily; Sec. III, 3 daily. Intermediate, Sec. IV, 2 daily; Sec. V, 10 daily.

Miss Dahlgren, Miss Eastburn

#### PHYSICAL EDUCATION FOR MEN

**77.<sup>1 2 3</sup> Football.**—Study of rules and elementary individual play. Fundamentals of individual positions. Application of fundamental principles to team play. Building of offense and defense. Generalship, game strategy, and sequence of plays from standard formations. Demonstrations and practice. Supplemented by motion pictures and special lectures. (2). 7-9 daily. Stadium.

First and second weeks, Mr. Bible, Mr. Browne

Third and fourth weeks, Mr. Browne

**81s.<sup>1 4</sup> Basketball.**—Study of all phases of the game with special emphasis upon the fundamentals. Rules, practice methods, offensive systems of team play attacking the various types of defense. Defensive systems with emphasis upon the assigned man to man type. Supplemented by motion pictures. (1). 7-9 daily. UC.

Fifth and sixth weeks, Mr. Browne

**86s.<sup>1 4</sup> Track and Field Athletics.**—Lectures, discussions, demonstrations, and practice dealing with the best form in starting, sprinting, distance running, hurdling, high and broad jumping, pole vaulting, shot putting, discus and javelin throwing. Training and practice methods. Conducting meets. Supplemented by motion pictures. (1). 4 daily. Stadium.

Mr. Weir

**96. Swimming.**—Theory and practice—includes methods of teaching beginners, principles and technique of standard strokes. Life saving and first aid instruction, elementary diving. Preparing the individual to meet the requirements of the Red Cross Life Saving Corps. Motion pictures of the Olympic diving and swimming championships. (1). 11 daily. UC Pool.

Mr. Browne

#### PHYSIOLOGY

**1. General Physiology.**—(See Long Session.) (3).<sup>\*</sup> 1 daily, P4; lab 3-5 MW; quiz 2 hrs arr., P204. Mr. Lyman, Assistant

**2. General Physiology.**—(See Long Session.) (3).<sup>\*</sup> 2 daily, P4; lab 3-5 TH; quiz 2 hrs arr., P204. Mr. Lyman, Assistant

**108. Physiological Problems of the School.**—(See Long Session.) (2). 11 daily, P4. Mr. Lyman

<sup>\*</sup> See footnote on page 52.

<sup>1</sup> Undergraduate students majoring in athletic coaching will not be allowed to register for the summer course.

<sup>2</sup> Students who have received credit in P.E. 71, 73, and 86 will not be allowed to register for P.E. 77; students who have received credit for P.E. 71 and 73, but not P.E. 86, will not be allowed to register for P.E. 77, but may register for P.E. 78, 2 hours; students who have received credit for P.E. 71 and 86 may register for P.E. 77, 2 hours.

<sup>3</sup> If a student has received credit for P.E. 71s, subsequent registration for P.E. 77 shall be for 1 hour only.

<sup>4</sup> If a student has received credit for P.E. 78, he will not be allowed to register for P.E. 81s or 86s; students who have received 2 hours credit in P.E. 78 may register for either P.E. 81s or 86s.

## PUBLIC HEALTH COURSES

112. Sex Education.—A study of the sex problem for women. (2). 10 daily. P107. Miss Philbrick

140. Health Education in the Public Schools.—A study of the problems involved in the establishment and maintenance of a public health service in the public school system and in community life. (1). 1 MWF. P107. Mr. Webb

150. The Health of the School Child.—A study of the school child medically, sociologically, and physiologically, with emphasis upon the detection and correction of physical defects and bad habits, and upon fatigue in its relation to the school program for correction of under-nutrition in school children. (2). 11 daily. P107. Miss Philbrick

160. Principles of Nursing.—Gives young women the fundamental principles of nursing to qualify them to care for the sick in their own homes, or to do emergency nursing. (2). 11 daily. SI. Miss Stuff

170. First Aid.—Principles of first aid treatment in common diseases, injuries, and poisons. (2). 11 daily. P4. Mr. Lyman

## PRACTICAL ARTS

41. Elementary Woodwork.—(See Long Session.) (2). L 10 MWF, TC17; lab 1-5 MW. TC1. Mr. Easton

42. Wood Technology.—(See Long Session.) (2). L 10 TTh, TC17; lab 1-5 TTh. TC1. Mr. Easton

43. Furniture Making.—(See Long Session.) (2). L 9 MWF, TC17; lab 1-5 TTh, TC1. Mr. Easton

50. Wood Turning.—(See Long Session.) (1 or 2). Lab 5 to 15 hrs arr. TC1. Mr. Easton

53. Upholstery and Weaving.—(See Long Session.) (2). L 11 TTh, TC17; lab 6 to 9 hrs arr. TC1. Mr. Easton

54. Household Mechanics.—(See Long Session.) (2). L 11 MWF, TC17; lab 6 hrs arr. TC1. Mr. Clark

## SPEECH AND DRAMATIC ART

109. Public Speaking.—Practice in extemporaneous speaking and organization of material for various occasions. Formal address, salesmanship, banquets, etc. Aims to develop poise and ability to think on the platform. (2). 7 daily. T201. Mr. Yenne

## ZOOLOGY

141. Evolution and Genetics.—(See Long Session.) (2). 10 daily. BH201. Mr. Whitney

395. Graduate Thesis.—(See Long Session.) (Arr). Time arr. Mr. Whitney

## FOUR WEEKS SESSION

## MUSIC

Education 122. The Direction of High School Music Groups.—The supervision of and materials suitable for high school orchestras, chorus, glee clubs, and band. Prereq Educ 121 (Music). (1). 11 daily. MH219. Mrs. Platt, Mr. Norton, Mr. Howerton

## AGRICULTURE AND VOCATIONAL EDUCATION

## For Teachers of Vocational Agriculture

## AGRICULTURAL ENGINEERING

221s. Farm Machinery and Power.—A study of recent developments in farming equipment and its application in the agriculture of Nebraska and adjoining states. Prereq 3, 25, 110, also 21 or Physics 31 or Math 1 or 11. (2). 2:30-5:30 daily. AE101. Mr. Smith

AGRONOMY

205. **Genetics.**—A general course in genetics and the principles of heredity. Application of hereditary principles to plant and animal breeding. Prereq 12 hrs of biol or permission. (2). 1-2:30 daily. PI111. Mr. Keim

ANIMAL HUSBANDRY

208s. **Current Animal Husbandry Problems.**—Adapting livestock production methods to meet the soil conservation program; more extensive use of forage and pastures; preservation and utilization of roughage; review of the literature concerning the use of protein and mineral supplementary feeds adapted for rapidity and economy of gain. Prereq 8 hrs of an husb, 8 hrs chem. (2). 9-10:30 daily. AHH206. Mr. Gramlich, Mr. Loeffel

DAIRY HUSBANDRY

253s. **Survey of Dairy Problems.**—A discussion of current research applicable to the field of dairy husbandry with interpretations of experimental results in dairy husbandry and related fields, together with a discussion of current problems affecting the Dairy Industry. Prereq 1, 12 hrs biol, 8 hrs chem. (2). 1-2:30 daily. DI208. Mr. Davis

POULTRY HUSBANDRY

205s. **Poultry Problems.**—A study of present trends in poultry production, including a review of current literature. Prereq 12 hrs of poul husb or equiv. (2). 7:30-9 daily. RE107. Mr. Mussehl

RURAL ECONOMICS

331. **Advanced Farm Organization and Management.**—Agricultural regions, farm budgets, and management problems. Prereq 2, 3, and 204 or equiv; Econ 11, 12. (2). 9-10:30 daily. RE205. Mr. Medlar

VOCATIONAL EDUCATION

205s. **Advanced Problems in the Teaching of Vocational Agriculture.**—Selection of curriculum enterprises, problems of lesson planning, motivation, supervised study, supervised practice. Prereq 10 hrs of educ, 40 hrs of agri. (2). 7:30-9 daily. AH304. Mr. Bradford

206s. **Rural Community Educational Activities.**—Organization, administration, and teaching of adult and part-time classes. Future Farmer activities and programs. Relation of the teacher to activities of the community. Prereq 10 hrs of educ, 40 hrs of agri. (2). 10:30-12 daily. AH304. Mr. Bradford

TEACHERS COLLEGE HIGH SCHOOL

JUNE 9 TO AUGUST 7

The summer session of the Teachers College High School is open to any student who wishes to earn credits in high school subjects. The term is eight weeks in length and students may earn two credits. Registration will be held June 9 (afternoon) and June 10. Class work will begin Thursday, June 11, and close August 7. A circular with detailed information will be available after April 1, 1936. Write to the Director of the Summer Session or the Principal of the Teachers College High School, University of Nebraska, Lincoln, Nebraska.

Courses in the following subjects will be offered: Shorthand 1, Typewriting 1, Bookkeeping 1, English 5, English 6, English 8, Algebra 1, Algebra 2, Algebra 3, Geometry 2, Modern History 2, U. S. History 1, Constitutional Government, Physiology, Chemistry 1, and Biology 2.



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